

**Good Practice
in
Ornamental Iron Work**

Portfolio of Detail.

Issued by

J. G. Braun Company

CHICAGO 609 SOUTH PAULINA STREET

NEW YORK 537 WEST 35TH STREET

SAN FRANCISCO 1088 HOWARD STREET

Mike Jackson 1187

A CONTINUOUS SERIES OF MEASURED DETAILS

A NEW BRAUN SERVICE

•

LEADERSHIP A pioneering step has been taken in sending forth
• "Good Practice in Ornamental Iron Work." Design and Construction have been made the subject of paramount importance. Other pertinent data are to accompany the Details, thus making them of greatest use. To make mention of the far reaching effect is unnecessary. It will at once be self evident.

SCOPE At regular intervals and over a period of years new
• subjects will be issued to cover every phase of Ornamental Iron Work. Details, so far as feasible, are fully measured and, where possible, specifications and general information accompany each sheet. Separate sheets containing a General Specification for Iron Work, a treatise on Finishes and Textures will follow at an early date.

CLASSIFICATION . . Subjects are divided into classes as per classifica-
• tion sheet printed on back. Insert details in their respective order, making this work, thereby, one of ready and quick reference.

BINDER A practical binder for quick filing has been selected.
• To open, simply pull the two flaps apart—to close, press snaps down on binder posts.

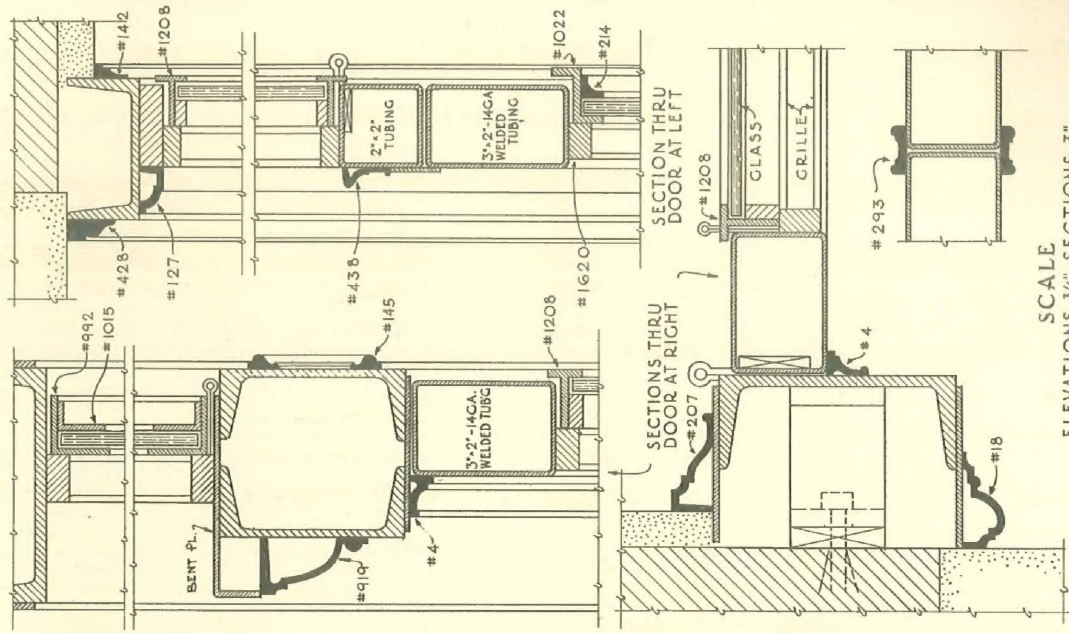
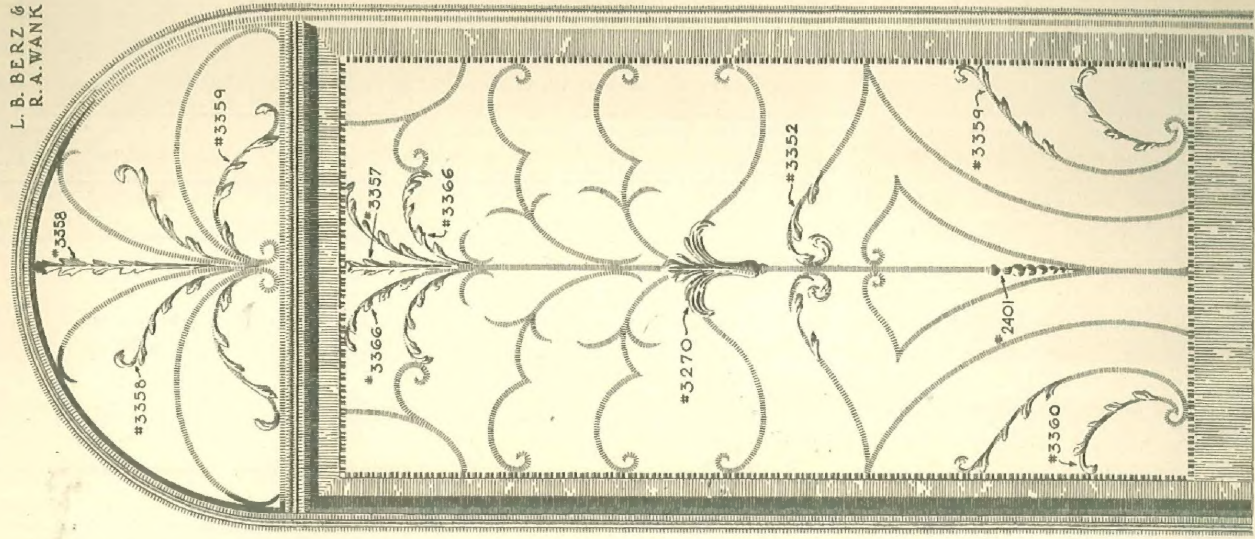
CONCLUSION A serious effort was made to make this campaign
• instrumental in helping to clarify cooperative efforts between architects and ornamental iron craftsmen. The campaign is all-embracing in respect to subjects, specifications and general remarks of interest. The type of rendering was selected for greatest clarity without sacrificing beauty.

While it will be our endeavor to cover all practical points of interest throughout the duration of this campaign, there will undoubtedly be questions arising, from time to time. It will give us great pleasure to answer these questions at length, whether they may refer to matters contained in this campaign or to other subjects.

CLASSIFICATION
for
"GOOD PRACTICE IN
ORNAMENTAL IRON WORK"

- Class A Balconies
- Class B Casement and Sash
- Class C Doors, Entrance and Vestibule
- Class D Elevator Enclosures, Doors and Cabs
- Class E Fascias
- Class F Fences, Railings and Gates
- Class G Grilles
- Class H Interior and Exterior Decoration
- | | |
|-------------|-------------|
| a) Banks | c) Theatres |
| b) Churches | d) Homes |
- Note: For Balconies . . . see Class A
For Railings see Class F and M
- Class I Marquise
- Class K Heating and Ventilating Grilles and
Enclosures
- Class L Signs and Bulletin Boards
- Class M Stairs and Stair Rails
- Class N Store Fronts
- Class O Sundries

L. B. BERZ &
R. A. WANK



SCALE
ELEVATIONS $\frac{3}{4}$ " SECTIONS 3"

ORNAMENTS SELECTED FROM CATALOG #18
SHAPES AND SECTIONS FROM CATALOG #30

ENTRANCE DOORS

SPECIFICATIONS

ENTRANCE DOOR AT LEFT

Jambs and Head built up with Braun Scribe Mouldings applied at wall, neatly mitered.

Note—Specify size and type of Buck as well as anchoring according to surrounding condition.

Transom Bar built up of 4" Channels and $\frac{1}{8}$ " Steel Plates securely fastened to Buck. Ornamented with Braun Moulding in front and bead moulding forming panelling on inside.

Doors of Cold Rolled Steel Tubing with corners welded and securely reinforced on inside and two 2" Channels at base with $\frac{1}{8}$ " Steel Plate on both sides riveted thereto. Braun Moulding Door Stops applied as shown.

Jambs and Doors rabbeted and reinforced to receive three each Braun 6" x 5" 4 Ball Bearing Steel Butts. One door with Flushbolts top and bottom and Braun Bronze Handle Set Type C made stationary; other door with Braun (Cylinder Latch Lock) (Cylinder Latch and Bolt Lock) four way reversible with Bronze Handles Type C.

Door and Transom Grilles with Bar Frame $\frac{3}{4}$ " x $\frac{1}{2}$ " tapped to door frame. Scrolls $\frac{1}{2}$ " square iron welded at crest and neatly finished. Corners to be sharp. Scrolls at sides to be tapped or riveted to Bar Frame.

Braun Ornament No. 1363 welded to scrolls.

All Glass Frames as shown on detail are to be provided with three each 2" Blank Butts and suitable closing device.

ENTRANCE DOOR AT RIGHT

Jambs and Head Channel Iron to suit condition with Braun Scribe Mouldings and Moulding Stop Bead applied.

Note—Specify size and type of Buck as well as anchoring according to surrounding condition.

Transom Bar Cold Rolled Steel Tubing securely fastened to jambs with Braun Mouldings and 1" x $\frac{1}{8}$ " Flat Stop Bar.

Door of Cold Rolled Steel Tubing with corners welded and securely reinforced on inside and two 1 $\frac{3}{4}$ " Channels at base with $\frac{1}{8}$ " Steel Plates on both sides riveted thereto.

Jambs and Door rabbeted and reinforced to receive two Braun 6" x 5" 4 Ball Bearing Steel Butts. Door with Braun Cylinder Latch Lock four way reversible with Bronze Handles Type C.

Grille Frame to be Braun Moulding welded at corners and tapped to Tube Frame. Scroll Bars 7/16" square neatly welded and riveted together and tapped to Grille Frame. Ornaments welded to scrolls, bars drawn out gracefully toward end of leaves.

Transom Grille with 2" x $\frac{1}{2}$ " Filler Bar for Head only, 1" x $\frac{1}{2}$ " Flat Grille Frame, Scroll and Leaf work similar to Door Grille.

Glass Frames as shown on detail to be provided with 2" Blank Butts and suitable closing device.

GENERAL INFORMATION

General—In this Detail two common door conditions have been shown. The ornamentation has been suggested as examples of finely worked out designs, though the great variety of materials in our various Catalogs gives free range to create not only any desired period but also designs more simple and less expensive as well as more elaborate. And all of them, if properly executed, will have the stamp of true craftsmanship.

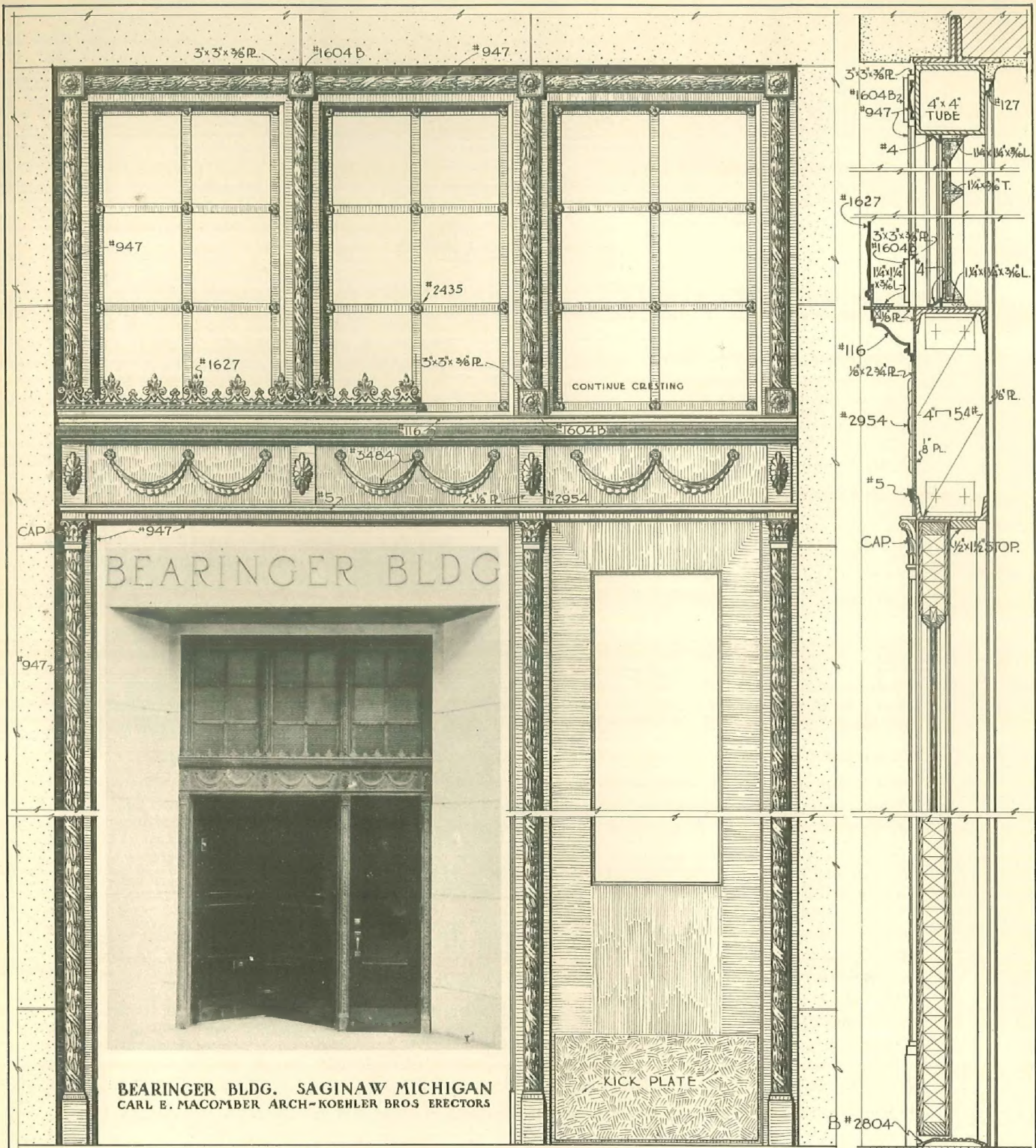
The doorstyles in these instances have been suggested with wide surfaces and with the use of Welded Steel Tubing. While they may be made of other materials, particularly where very narrow styles are necessary, tubing should find preference because of its inherent strength, light weight and ease of construction. A large range of square and rectangular sizes may be found in Catalog 30.

Finish—Most commonly found is black glossy or semigloss oil paint or a combination of both.

We suggest as an unusually attractive effect: Jambs and Head sprayed black glossy lacquer; Doorstyles semigloss black lacquer; Grilles finished either in Swedish Iron (Semi Polish) or antique rust polychrome for grille at left and antique gold on leaves and rusty polychrome on scrolls for grille at right.

To further enhance their appearance hand hammered textures may be applied to all scrolls and to base plates of door at left.

For further explanation and methods of application of both Finishes and Textures refer to sheets under Class "O."

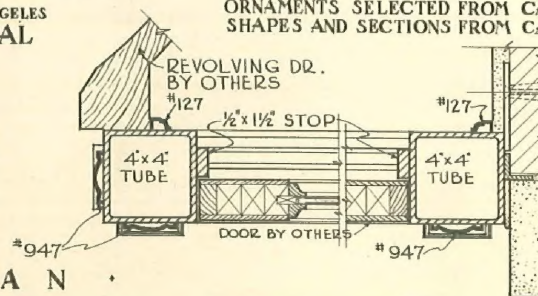
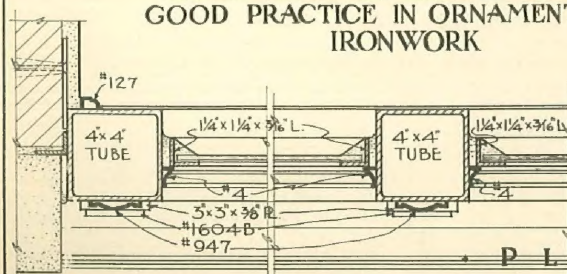


BEARINGER BLDG. SAGINAW MICHIGAN
CARL E. MACOMBER ARCH-KOEHLER BROS ERECTORS

J. G. BRAUN COMPANY
CHICAGO NEW YORK SAN FRANCISCO LOS ANGELES
**GOOD PRACTICE IN ORNAMENTAL
IRONWORK**

ORNAMENTS SELECTED FROM CATALOG # 18.
SHAPES AND SECTIONS FROM CATALOG # 30.

SCALE
ELEVATION 3/4"=1'-0"
PLAN & SECTION 1 1/2"=1'-0"



L. B. BERZ &
R. A. WANK

SPECIFICATIONS

BEARINGER BLDG. ENTRANCE

Jambs—Braun Square Steel Tubing continuous from grade to head with mouldings applied on faces and tapped carefully to tubing. Finished with cast iron bases and caps below fascia. Attach angles to outside jambs to retain caulking. Secure jambs to masonry with expansion bolted straps. Finish on inside with Braun Scribe Moulding. Apply bar stops around opening for hinged door.

Head—Constructed similarly to jambs and tapped to angle lintels in place. No caulking angles required on head. Mullions are constructed the same as jambs.

Door Sill—To be expansion bolted to floor of hinged opening.

Box Transom—Constructed of channels with plates applied on face, rear and top and to be firmly connected together. Channels tapped with angle knees to jambs. Braun Mouldings applied neatly on face of transom and to be panelled on line of jambs and mullions with plate fillers to which Braun Rosettes are applied. Inside of panels to be ornamented with Braun Wrought Garlands. Braun Cresting connected to top of transom with a continuous angle.

Transom Sash—Stationary with angle frame and tee muntins. Braun Rosettes placed at intersections. Apply Braun Scribe Moulding around openings.

GENERAL INFORMATION

Design—In this detail we show the construction of a very neat and appropriate entrance actually executed. The solution is interesting, attractive, and has accomplished the result desired by the architect for which credit is due him.

Needless to say, any other situation may be met in a similar manner whether there be a single or a series of hinged or revolving doors, stationary or hinged transoms. With the great variety of Braun Mouldings and Ornaments, any design may be created to harmonize with the general picture.

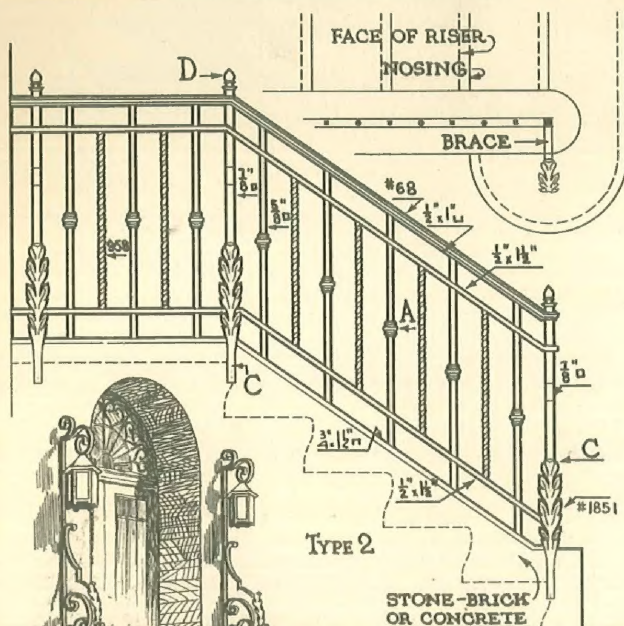
We desire to point out that joinings of structural members should be strong and sturdy and anchorage to surrounding walls be made at frequent intervals. All applied ornamentation should be neatly jointed and frequently fastened in such manner as to be least visible to secure a successful job.

Finish—The more common finishes are, after application of rust resisting undercoats either solid black or contrasting glossy, dull and semi-gloss black or solid colors throughout. The installation in hand received a painted polychrome finish in verd antique.

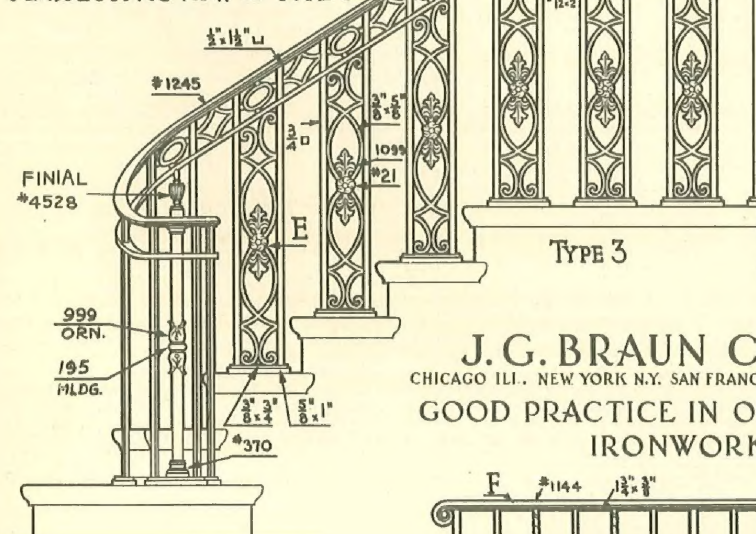
We suggest for a very fine color scheme, mullions glossy black, pilasters semi-gloss black or antique gold with bases and caps glossy or semi-gloss black. Fascia dull black background with panelling seagreen, rosettes cardinal red, and garlands antique gold. Applied fascia mouldings top and bottom cardinal red, cresting antique gold. Transom window openings green and corner blocks red. Sash semi-gloss black. Scribe moulding seagreen and window rosettes cardinal red.

Other suitable color schemes may be worked out. Antiquing of colors with umber will kill objectionable gloss and give a more refined and pleasing appearance.

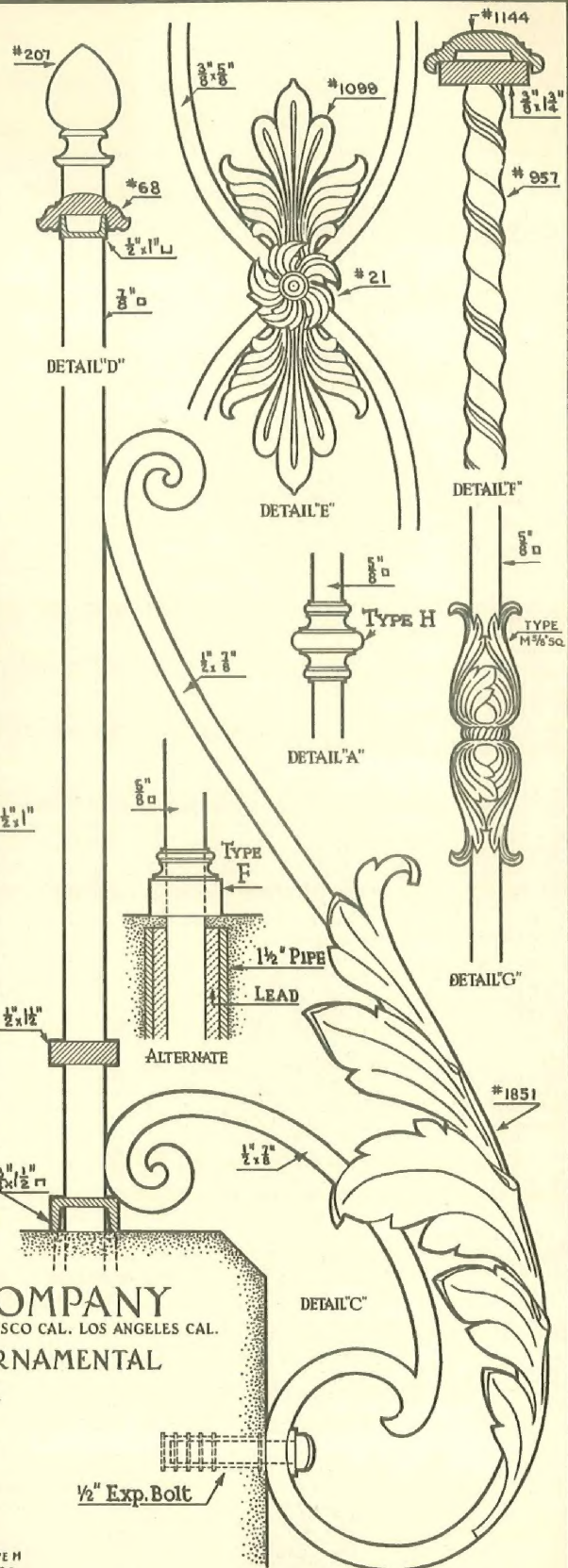
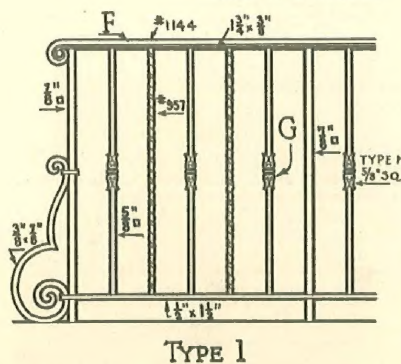
For full explanation and methods of application of both Finishes and Textures, refer to sheets under Class "O."



PERSPECTIVE VIEW OF TYPE 3



J. G. BRAUN COMPANY
CHICAGO ILL. NEW YORK N.Y. SAN FRANCISCO CAL. LOS ANGELES CAL.
**GOOD PRACTICE IN ORNAMENTAL
IRONWORK**



DETAILS OF STOOP RAILINGS
SCALE 1/4" AND 3"
ORNAMENTS SELECTED FROM CATALOG #18
SHAPES AND SECTIONS FROM CATALOG #30
LANTERN FROM SUPPLEMENTARY
CATALOG #18

L.B. BERZ
&
R.A. WANK

SPECIFICATIONS

STOOP RAIL—TYPE 1

Posts spaced approximately 2'-6" o.c. run $3\frac{1}{2}$ " into masonry and caulked securely.

Scroll for starting post fastened with tie bands.

Square bar balusters with Braun Ornaments slipped on and riveted to same, to alternate approximately 5" o.c. with Braun Torsel Balusters. All tapped or welded to horizontal top and bottom bars.

Braun Handrail tapped to top bar about 2 ft. o.c. and to finish at starting post with a forged volute.

Railing to be secured to wall and as otherwise shown in detail. (See 3" scale details F and G.)

STOOP RAIL—TYPE 2

Posts to be spaced according to conditions at the building (run $3\frac{1}{2}$ " into masonry and caulked securely) (and bottom bar to be securely expansion bolted to masonry about 20" o.c.).

Note—Bottom Bar may be eliminated and Square Balusters treated as shown in alternate sketch. Square Baluster Bars to run 3" into masonry and caulked securely.

Bar scroll braces with Braun Leaf welded to scroll, to be riveted to posts and secured with expansion bolt to masonry.

Square bar balusters with Braun Collar to alternate approximately 5" o.c. with Braun Torsel Balusters, all tapped or welded to horizontal top and bottom bars.

Intermediate horizontal bars to be punched for posts and square balusters.

Braun Handrail tapped to top channel approximately 2 ft. o.c. neatly finished at starting post and to have Braun Square Finial fitted over handrail and tapped to same over each post.

Railing to be secured to wall and as otherwise shown in detail. (See 3" scale details A, C and D.)

STOOP RAIL—TYPE 3

Starting Post $1\frac{1}{4}$ " Round Bar run 4" into masonry. Braun Center Ornament and Base Collar slipped and riveted on. Brass Finial screwed and pinned to post.

Starting Balusters approximately 5" o.c.

Panels built up of steel bars, scrolls to be tapped to uprights and Braun Ornament applied on both sides. Each second base plate expansion bolted to masonry. All others provided with pins let into masonry. Border Ornament tapped or pinned to uprights and horizontal bars. Oval Ornament spaced with Braun No. 108 Balls.

Braun Handrail tapped to top bar 24" o.c. and finished neatly around starting post.

Lantern bracket and scroll tapped to railing and expansion bolted to wall.

Railing to be otherwise in accordance with detail. (See 3" scale detail E.)

GENERAL INFORMATION

General—These rails being intended largely for exterior work should be produced with utmost care. All surfaces concealed and in contact should be well protected with a rustproof paint before assembly.

To assure further lasting quality, it is advised to use Braun GENUINE PUDDLED WROUGHT IRON for all bars. The little additional cost readily pays for itself in both lesser upkeep cost and sturdy resistance to corrosion.

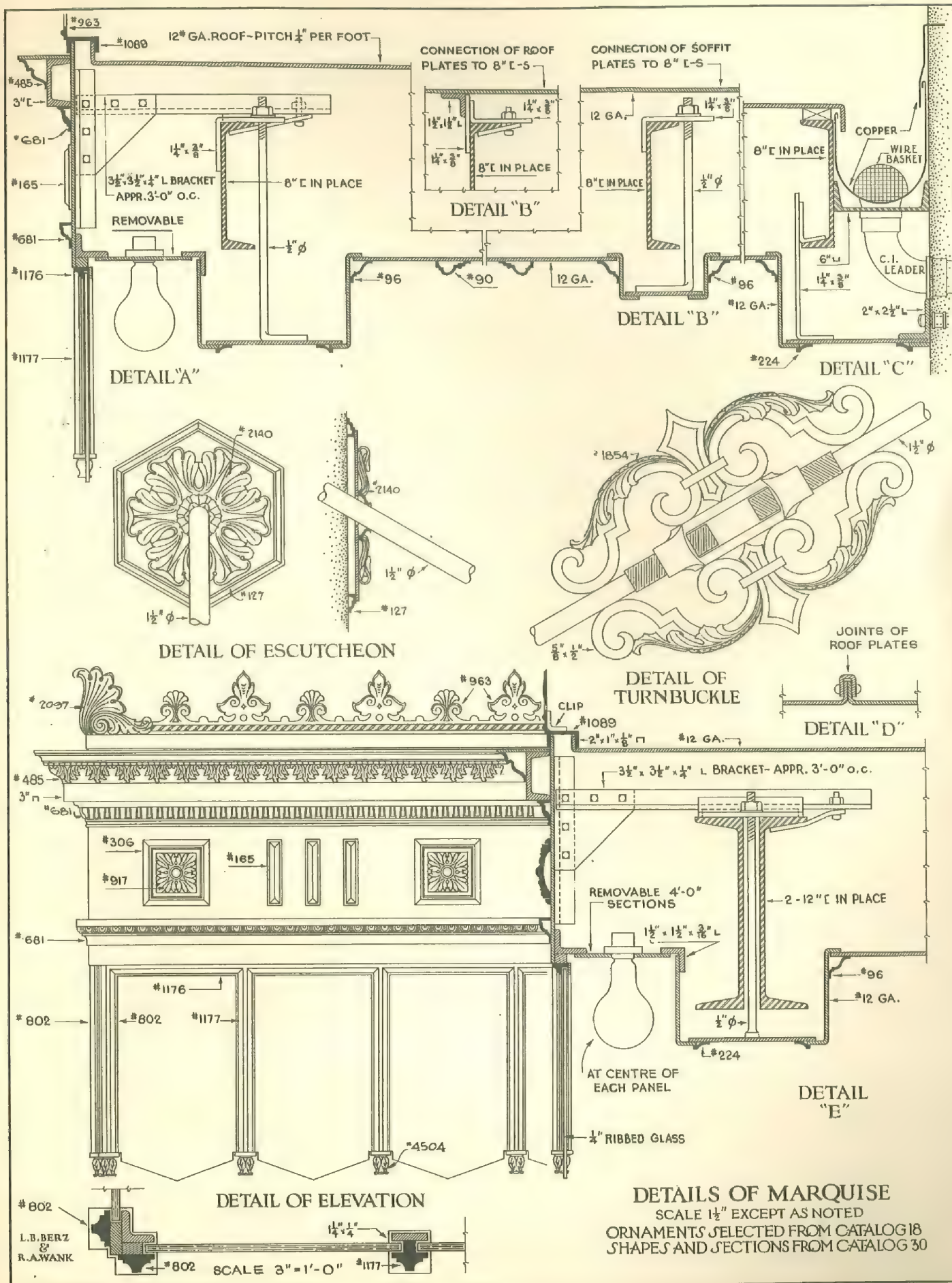
The use of Architectural Bronze Handrail shown in Braun Catalog 30, page 38, will greatly enhance appearance of railing.

Finish—Most commonly used is black, either glossy or semi-gloss black.

If a Swedish Iron Finish is desired, use the Cadmium Plate method.

For full explanation and methods of application of both Finishes and Textures refer to sheets under Class "O."

DETAILS OF MARQUISE



SPECIFICATIONS

MARQUISE

Furnish and erect Marquise as shown in $\frac{3}{8}$ ", $1\frac{1}{2}$ " and 3" Scale Details. Structural steel framing and hangers shown in place by others. Rosette and Ornament for Hanger and Turnbuckle to be furnished by this contractor. Copper Flashing and C. I. Leader, Glass and Electric Installation by others.

Note—Frequently Structural Steel Framing and Hanger Rods are also furnished by Ornamental Iron Contractor.

GENERAL INFORMATION

General—The Marquise detailed tends to show how Braun Mouldings and Forged Ornaments are eminently qualified to be used in creating at once an attractive, and, because of their strength, a sturdy and lasting adjunct to a building.

In subsequent issues of details, we will attempt, in a small way, to show the versatility of Braun Mouldings and Forged Ornaments for the construction and ornamentation of Marquees.

Moisture being a considerable factor, it is not amiss to point out the necessity for closely fitted joints and miters and for applying sufficient under-coats of a good quality of rust resisting paint, in particular to surfaces in contact and concealed. Applied members should be fastened at frequent intervals. This will insure not only neat appearance but also long life.

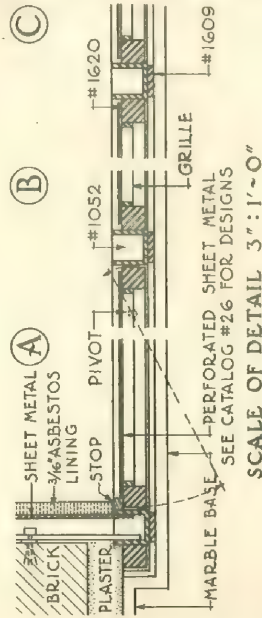
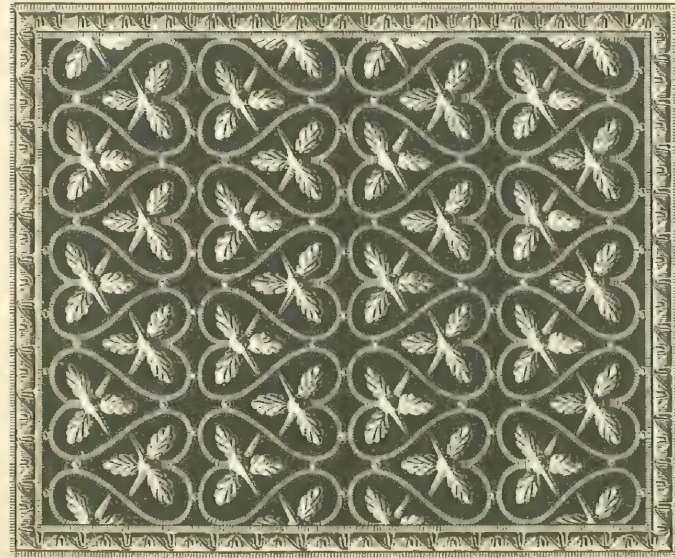
Finish—Black glossy oil paint is the finish most often applied to exterior with light color on Soffit.

Richer effects suggest the use of antique gold for Cresting and Hanger Bar Ornaments; Fascia Mouldings and Glass Bars glossy black; Fascia dull black with applied ornaments in contrasting dark colors. Soffit white or other light reflecting tints with panelling in darker contrasting colors.

For full explanation and methods of application of both Finishes and Textures refer to sheets under Class "O."

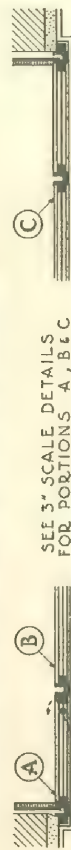
SCALE 1" : 1'-0"
MOULDING #1615
ORNAMENT #1205

SCALE 1" : 1'-0"
MOULDING #766
ORNAMENTS #23676
#3413

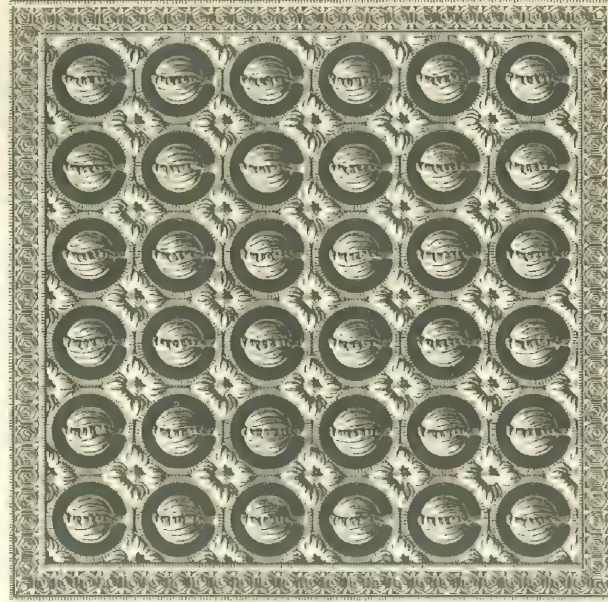
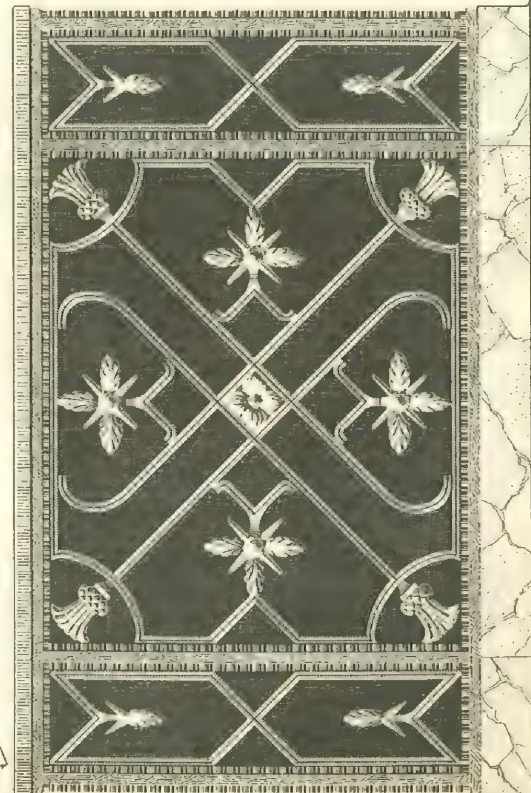


J. G. BRAUN COMPANY
CHICAGO ILL. NEW YORK N.Y. SAN FRANCISCO CAL. LOS ANGELES CAL.
**GOOD PRACTICE IN ORNAMENTAL
IRONWORK**

ORNAMENTS SELECTED FROM CATALOG #18
SHAPES AND SECTIONS FROM CATALOG #30



SEE 3" SCALE DETAILS
FOR PORTIONS A, B & C



MOULDING #1617 SCALE 1 1/2" : 1'-0" ORNAMENTS #5 2448 2947

RADIATOR ENCLOSURE & GRILLES

MOULDINGS #5 256 1052 1609 1620 SCALE 1" : 1'-0" ORNAMENTS #3 1195 1190 1215 2946

L. B. BERZ & R. A. WANK

SPECIFICATIONS

UPPER LEFT GRILLE

Frame—Braun Moulding No. 1615 neatly mitered and welded together in back.

Grille—Grille Frame to be $\frac{1}{2}$ " Square Bar, inside opening to line up with inside opening of moulding frame and securely fastened thereto. Scrolls $\frac{1}{2}$ " Square Bars to be welded at and with Braun Ornament No. 1205.

Separators—Braun Oval Forged Balls No. 107 through which shall pass a countersunk head screw or rivet for fastening scrolls together.

UPPER RIGHT GRILLE

Frame—Braun Molding No. 766 neatly mitered and welded together in back.

Grille—Grille Frame $\frac{3}{4}$ " x $\frac{3}{4}$ " x $\frac{1}{8}$ " Angle, inside opening to line up with inside opening of moulding frame and securely fastened thereto. Rings made of $\frac{3}{8}$ " Square Bars and welded to each other. Scrolls $\frac{1}{4}$ " Round Bars ends slightly tapered. Braun Ornaments No. 2367 and 3413 welded to $\frac{1}{4}$ " Round Bars tapered to natural vine effect. Scrolls and Vines welded to inside of rings.

Note—These grilles may be applied for a number of purposes as, i.e., Ventilators, Registers, Heating Grilles, Recessed Radiators, etc. Depending upon use and surrounding conditions, a subframe of Angle or Channel Iron or Anchors for securing in place may be necessary.

LOWER LEFT GRILLE

Frame—Braun Channel No. 1052 and Angle No. 979 with Moulding No. 1609 applied on face and No. 1620 at extreme ends.

Grilles—Grille Frames Braun Moulding No. 1620 to be screwed to outside frame. (Right) (Left) side panel to be (hinged) (pivoted) and provided with suitable lock. Ornamentation to be Braun Moulding No. 258 and Ornaments No. 1193, 1190, 1215, and 2946 securely welded together and fastened to Grille Frame

Grille Backing—Braun Perforated Sheet No. (select from Cat. 26) attached to Grille Frames.

LOWER RIGHT GRILLE

Frame—Braun Moulding No. 1617 neatly mitered and welded together in back.

Grille—Grille Frame to be $\frac{1}{2}$ " Square Bar, inside opening to line up with inside opening of Moulding Frame and securely fastened thereto. Rings $\frac{3}{8}$ " x $\frac{1}{2}$ " Flat Bars and Braun Ornament No. 2448 welded inside the ring. Rings to be welded together in back and Braun Rosettes No. 2947 applied on face.

GENERAL INFORMATION

Design—Our artists created these grilles not only as definite suggestions for design but as inspirations to the Architect to utilize the great variety of Braun Mouldings and Ornaments in the creation of new thoughts appropriate to any particular scheme. In consequence, considerable thought was given both in the sections and specifications to bring out clearly, so far as feasible, construction and manufacturing processes.

However, designs can, in their essentials, be retained and, with slight variants, widely different effects can be produced. Thus Grille at upper right: If Grape Motifs shown are replaced by Morning Glory Ornaments No. 1122 and 1165. Or Grille at lower right: Use center motif No. 2216 (Acorn) or No. 3338 (Double Leaf) with Rosettes No. 3338 or 2970, respectively, as alternates. Widely different designs are at once created by a simple expedient. In the same sense, frame mouldings may be varied.

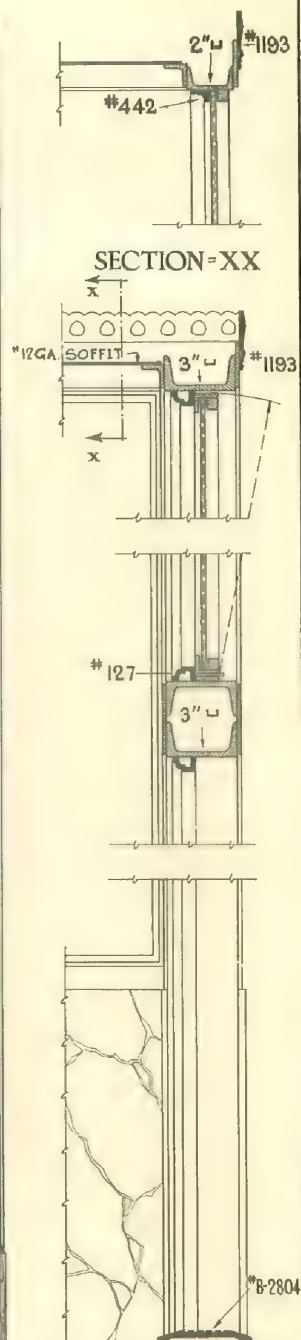
Finish—A comparatively inexpensive and yet attractive finish is a flat black or semi-gloss solid color.

More appropriate and far more beautiful is the Highlight-polished Iron often called Swedish Iron Finish. Other interesting effects may be obtained with polychrome colors in softly toned shades or antique rusty effects. Grille at lower left, having a distinct modernist feeling, might well be finished in Cadmium or Chromium plating with high surfaces brightly polished.

To add further real charm of artisanry apply hand hammered textures to Scroll Bars.

For full explanation and methods of application of both Finishes and Textures refer to sheets under Class "O."

DETAILS OF STORE FRONT

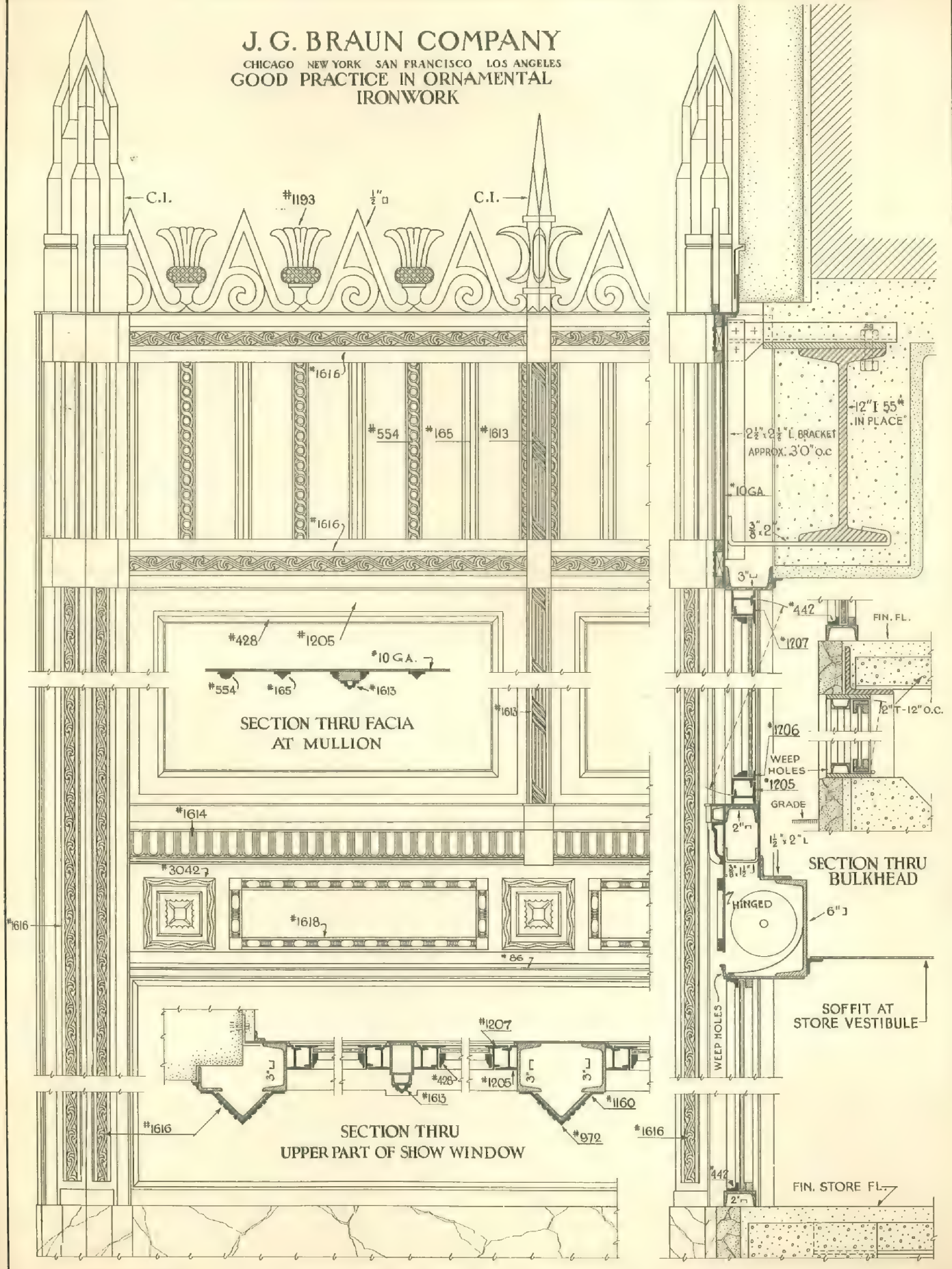


SECTION THRU
STORE VESTIBULE



ORNAMENTS SELECTED FROM CATALOG - - *18
SHAPES AND SECTIONS FROM CATALOG *30

J. G. BRAUN COMPANY
 CHICAGO NEW YORK SAN FRANCISCO LOS ANGELES
**GOOD PRACTICE IN ORNAMENTAL
 IRONWORK**



SPECIFICATIONS

STORE FRONT

Furnish and erect Storefront as shown in $\frac{3}{8}$ " and $1\frac{1}{2}$ " Scale Details. Door, Glazing and Awning by others.

Note—Door may be of tubular steel construction in which case it is included in Ornamental Iron Contractor's specification. (For door details see Class "C.")

While Upper Sash in this detail is shown side center pivoted, it appears more practical to either pivot top and bottom center, using similar construction as shown—the vertical section becoming the plan and the plan to be interpreted as the vertical section—or it may be sidehinged in which case Detail for "Section through upper part of show window" becomes the construction.

GENERAL INFORMATION

Design—An attempt by our artists to create this storefront in the modern trend would appear timely. The artistic conception may be called bold but, nevertheless, it has a refreshing and delicate restraint. The endless possibilities in storefronts of the conventional type with the assistance of Braun Materials is more or less known but, as is seen in this one example, designs of great originality may be created.

Construction—A front of this outstanding beauty is worthy of careful consideration in regard to execution and finish. All assemblies and joinings should be clean, true and strong. Fastenings of applied members of such nature as to be least visible, patterns of mouldings should be matched at starting points.

Finishes are being treated in detail below. However, particular attention is called here to the necessity of applying sufficient undercoats of good quality rust resisting paint, especially to all surfaces concealed or in contact before final assembly to insure lasting life.

Finish—A storefront of this description would warrant more than the more common solid black or solid color paint.

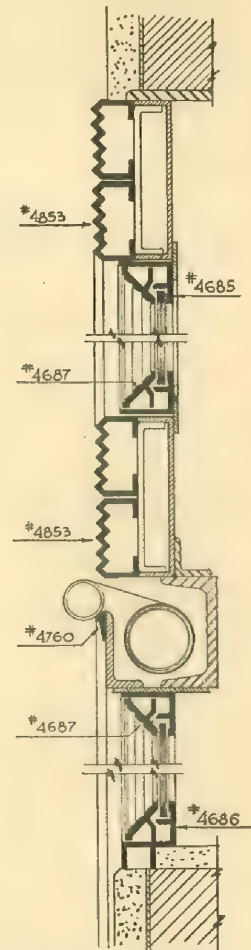
We suggest the following scheme: mullions and muntins glossy or semi-gloss black with silver over ornamented portion of moulding. The same treatment can be accorded to the transom with Persian red for rosettes and Holland blue for background. Background of cornice glossy black, transverse moulding to be treated in similar manner as mullions and muntins. Vertical ornamentation to be alternately red for No. 165 and Holland blue for No. 554. All colors used in the front should be applied to the various facets of the finials. Finish cresting scrolls in black and red with ornament in silver.

There are, of course, equally attractive color schemes to be worked out.

For full explanation and methods of application of both Finishes and Textures, refer to sheets under Class "O."



*Klausner's Flower Shop, Brooklyn.
Fellheimer & Wagner, Architects.*



*Sectional (Vertical) view through
door to upper windows.*

How Braun Aluminum Shapes Made An Attractive Store Front

THE extruded "ALCOA" ALUMINUM mouldings and pilasters in this Flower Shop appear to be of special design. But the effect is actually achieved by the use of combinations of Braun Standard shapes.

The major features of attraction are the pilasters made of two sections 4853. Moulded Storefront Sash 4685 and 4687 retaining all glass, supplement the decorative scheme. Doors are tubular with moulding 4721 for glass

stops. The vestibule is panelled with 4721. Another example, out of many, of the unusual effects obtainable so easily through use of Braun shapes in different combinations.

Our Catalog 31 of Architectural Shapes in "ALCOA" ALUMINUM showing many shapes and containing details is brimful of suggestions. If not on file, write for it.

J. G. Braun Company

Steel Mouldings

Wrought Ornaments

Perforated Sheets

CHICAGO 609 SOUTH PAULINA STREET
NEW YORK 557 WEST 35TH STREET
SAN FRANCISCO 636 POTRERO AVENUE
LOS ANGELES 1205 EAST 8TH STREET

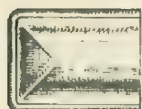
J.G. Braun Company

Steel Mouldings Wrought Ornaments
Perforated Sheets

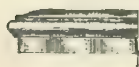
CHICAGO 609 SOUTH PAULINA STREET
NEW YORK 337 WEST 35TH STREET
SAN FRANCISCO 636 POTRERO AVENUE
LOS ANGELES 1205 EAST 8TH STREET

SUPPLEMENT TO CAT. No. 30 AND 31

HANDRAIL TERMINALS



SQUARE TERMINAL



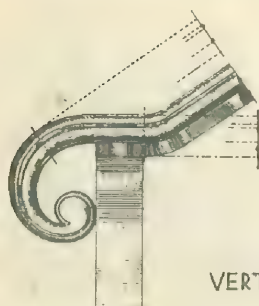
NOW AVAILABLE - ARCHITECTURALLY CORRECT
PLEASING IN DESIGN - EASILY APPLIED.

SUITABLE FOR EVERY PITCH - FOR STRAIGHT RUNS,
OR FOR IMMEDIATE PITCH (NOTE DOTTED LINES).

SUFFICIENT SPACE IN LAMBS TONGUE FOR SCROLL.

LATERAL SCROLL CAN BE CUT ANYWHERE.
REMAINING PART OF SCROLL STILL CORRECT.

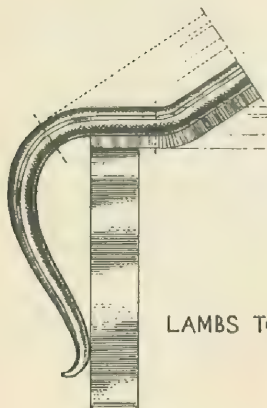
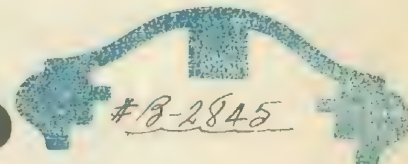
FURNISHED POLISHED IN ALUMINUM OR BRASS
FOR THE FOLLOWING SHAPES:-



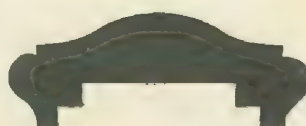
VERTICAL END



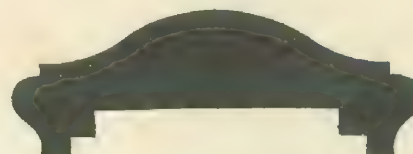
BRASS ONLY:- #B-2866



LAMBS TONGUE

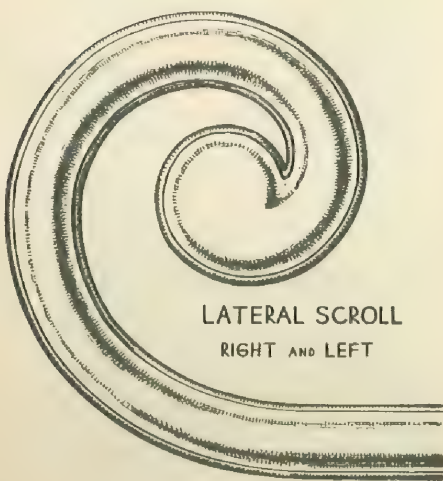


BRASS :- #B-2847
ALUMINUM:- #4901



BRASS :- #B-2845, #B-2800
ALUMINUM:- #4900

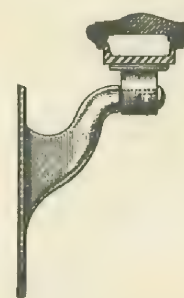
WHEN ORDERING STATE TYPE DESIRED,
MATERIAL, NUMBER OF HANDRAIL.



LATERAL SCROLL
RIGHT AND LEFT



WALLRAIL
BRACKET



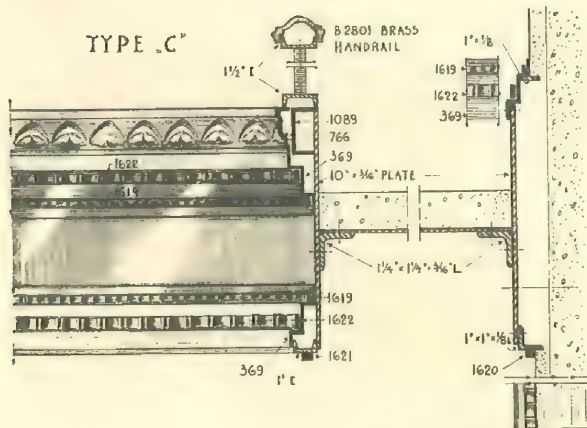
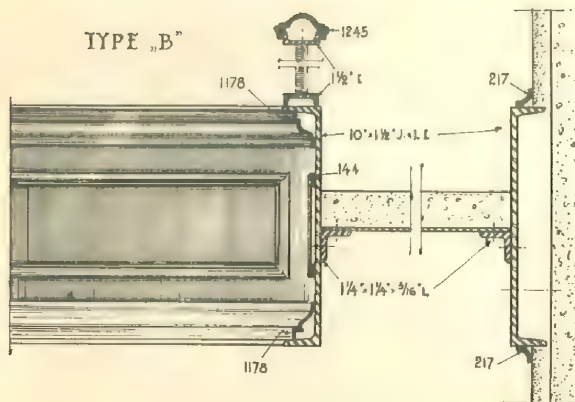
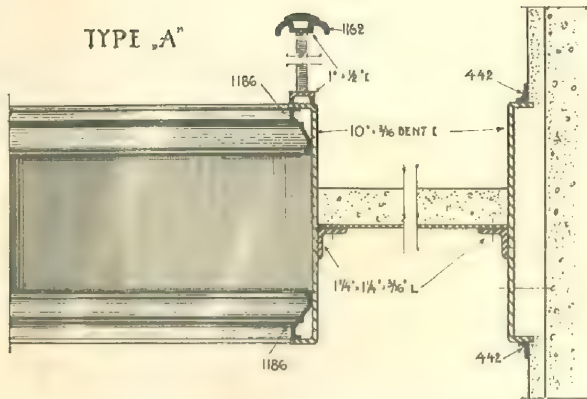
A WELL DESIGNED BRACKET, WITH BACK AND ARM
ALWAYS IN VERTICAL POSITION, BUT QUICK-
LY ADJUSTED TO PITCH.

FURNISHED IN ALUMINUM OR BRASS, POLISHED.



J.G. Braun Company
Steel Mouldings Wrought Ornaments
Perforated Sheets

CHICAGO 609 SOUTH PAULINA STREET
 NEW YORK 537 WEST 35TH STREET
 SAN FRANCISCO 636 POTRERO AVENUE
 LOS ANGELES 1205 EAST 8TH STREET



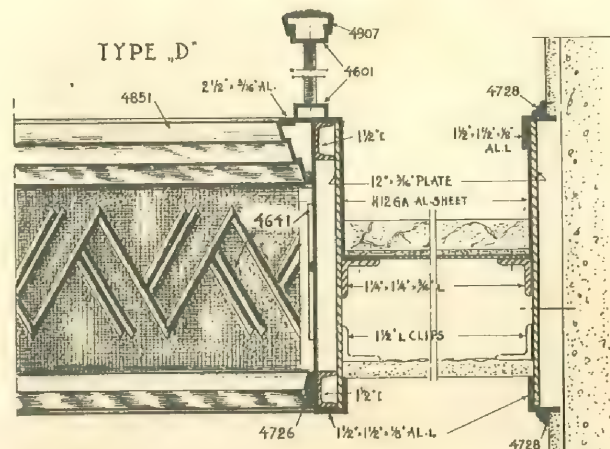
THE STORY OF STAIRS AND THE ARTISTIC TOUCH THEY DESERVE

IT HAS BEEN OBSERVED, OF LATE, THAT STAIRS HAVE BECOME INCREASINGLY UTILITARIAN AND DECREASINGLY DECORATIVE. IN PART, AT LEAST, THE IMPRESSION SEEMS TO PREVAIL THAT THEY NO LONGER ARE CAPABLE OF ARTISTIC EXPRESSION.

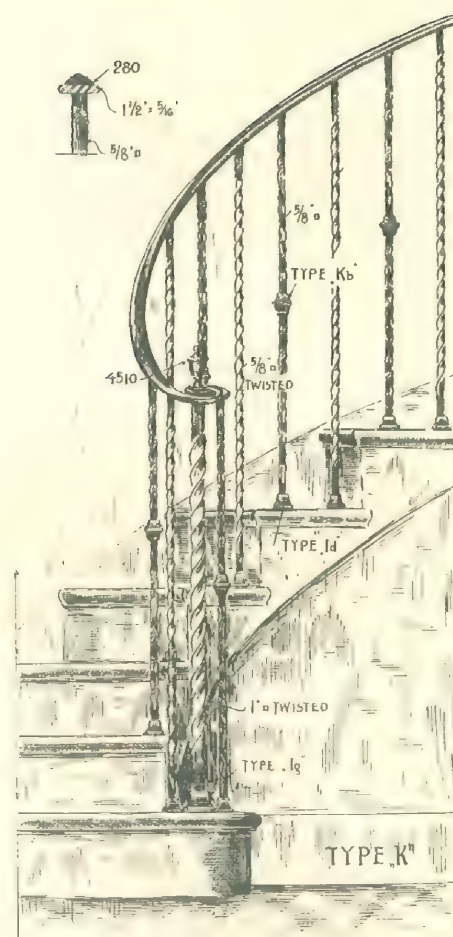
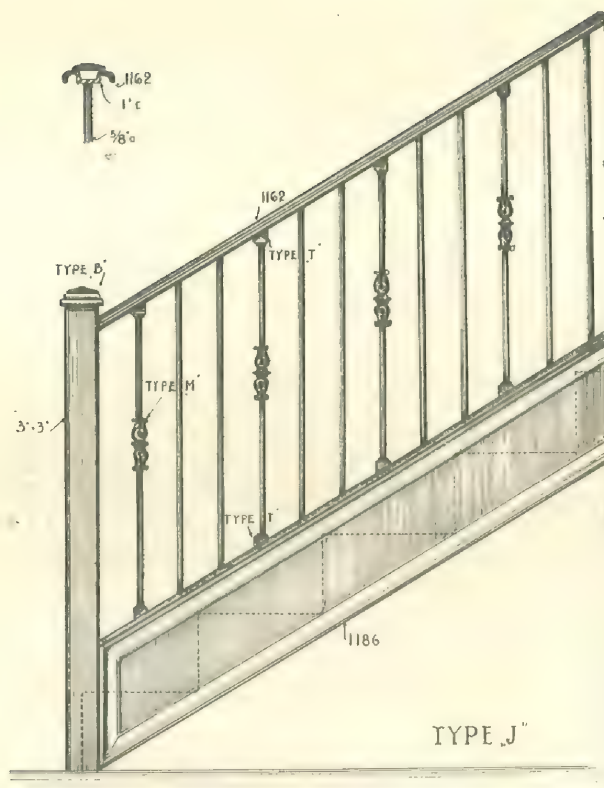
THE REASON THEREFOR IS SPECULATIVE BUT MAY PROBABLY BE TRACED TO THE FACT THAT FROM FORCE OF HABIT THEY HAVE LOST IN IMPORTANCE IN THE DESIGNER'S MIND.

THIS PAMPHLET HAS AS ITS OBJECT TO POINT OUT THAT ALL COMPONENT PARTS OF THE STAIRS MAY BE MADE THE FOCAL POINT OF ATTRACTION IN THE GENERAL SCHEME OF THINGS. IT SHOWS, IN PART, HOW STRINGERS AND RISERS, NEWELS AND RAILINGS, MAY BE SUPPLIED WITH A NEW AND UP-TO-DATE TOUCH. THE TASK IS NONE TOO DIFFICULT IN VIEW OF THE MANY AVAILABLE COMPONENT MEMBERS FOR DECORATIVE PURPOSES WHICH DURING RECENT PERIODS HAVE BEEN REVISED AND COMPLEMENTED TO ASSIST THE ARTIST IN THE EXPRESSION OF HIS IDEAS EITHER IN THE PRESENT CONVENTIONAL OR MOST MODERN THOUGHT.

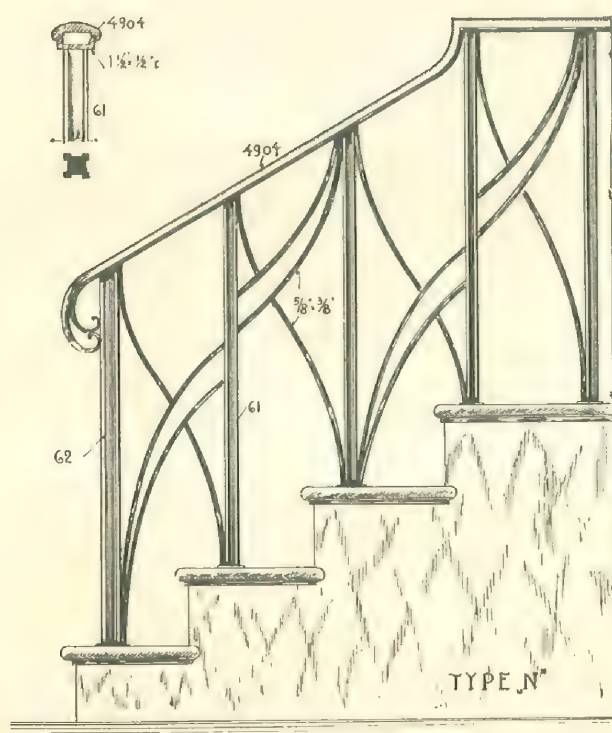
INTERESTING AND DESCRIPTIVE READING MATTER COVERING THE STRINGERS SHOWN HERE WILL BE FOUND ON THE REAR PAGE.



Scale 1 1/2" = 1' - 0"



STAIR RA

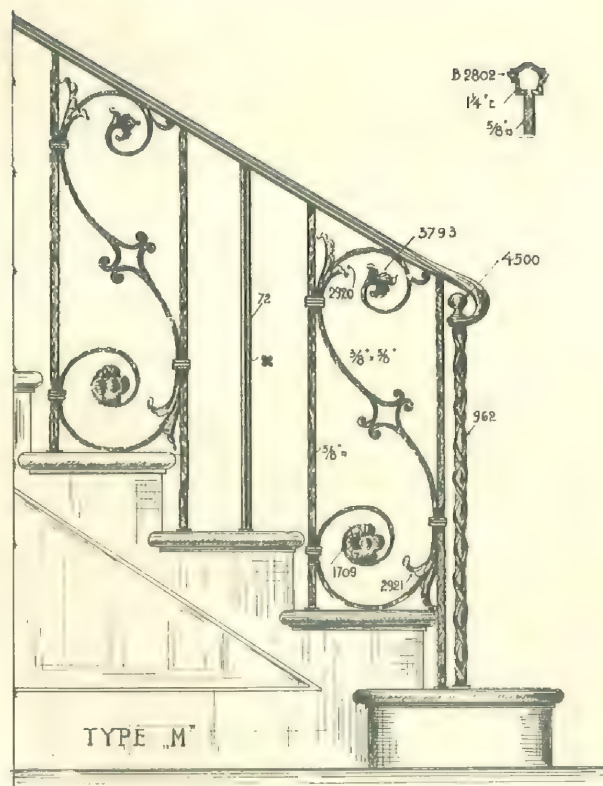
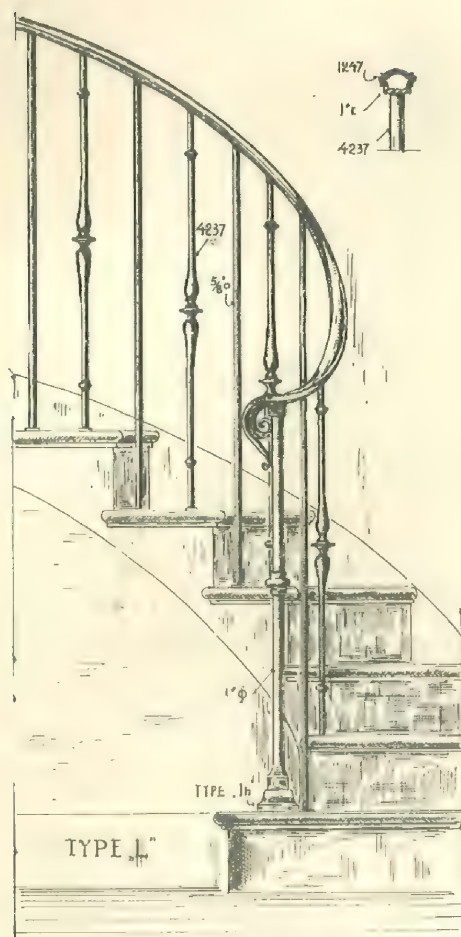


ONE OF THE MOST VERSATILE AND WELLNIGH INEXHAUSTIBLE ELEMENTS ARE STAIR RAILINGS. THE POSSIBILITIES ARE AS MANIFOLD AS THE THOUSANDS OF MOULDINGS, ORNAMENTS, AND SUNDRIES SHOWN IN THE VARIOUS BRAUN CATALOGS. WE CAN READILY CONCEIVE HOW SELF-EXPRESSION MAY BE RAMPANT AND HOW THE DESIGNER MAY CREATE FREELY AND WITHOUT RESTRICTION.

THE LIMITED SCOPE OF THIS PAMPHLET PERMITS US TO GIVE BUT A FEW SUGGESTIONS. WE THEREFORE CHOSE CONVENTIONAL RAILS FOR TYPES J TO M, WHILE IN TYPES N AND O WE SHOW IN A SMALL MEASURE THE ADAPTABILITY OF OUR MATERIALS TO MORE ORIGINAL AND NOVEL EFFECTS. IN THE ILLUSTRATIONS, OPEN STRINGERS HAVE LARGELY BEEN USED. WITH BUT SLIGHT CHANGES OF DESIGN THESE RAILS CAN BE ADAPTED EQUALLY WELL TO CLOSED STRINGERS.

RAILINGS TYPE J TO M MIGHT BEST BE SUP-

Scale $\frac{3}{4}$ " and $1\frac{1}{2}$ " = 1'-0"



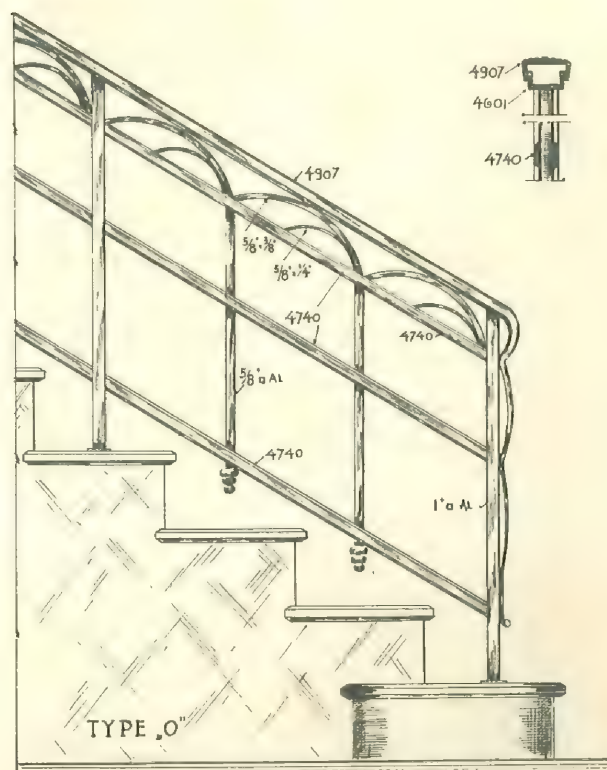
RAILINGS

PLIED WITH THE COMMONLY KNOWN FINISHES SUCH AS BLACK PAINT, RUSTY POLYCHROME, (DULL BLACK WITH OCCASIONAL APPLICATION OF RUSTY COLOR PIGMENT), OR HALF POLISH FINISHES, THE LATTER PARTICULARLY WHEN THE IRON IS TEXTURED BY HAMMERING.

AN UNUSUALLY ATTRACTIVE FINISH FOR TYPE N IS:- ALUMINUM HANDRAIL HIGHLY POLISHED, BALUSTERS GLOSSY OR DULL BLACK LACQUER, DOUBLE SCROLLS ALUMINUM PAINT, SINGLE SCROLL DULL BLUE OR RED OR AS ALTERNATE FOR THE LATTER HIGHLY POLISHED CONTRASTED AGAINST GREY OR BLACK BURNT.

WE SUGGEST FOR TYPE O HIGH POLISH FOR HANDRAIL AS WELL AS BALUSTERS WITH HORIZONTAL RAILS IN SATIN FINISH. TOP SCROLL HIGHLY POLISHED, BOTTOM SCROLL BLACK LACQUERED.

OUR SERVICE DEPARTMENT SHALL BE PLEASED TO CONSULT WITH INTERESTED ARCHITECTS RELATIVE TO PERTINENT MATTERS.



Scale $\frac{3}{4}$ " and $1\frac{1}{2}$ " = 1-0"

THESE STRINGERS AND THE RISERS ON THE OPENING PAGE ARE DESIGNED TO HARMONIZE, AND MAY WELL BE CONSIDERED HERE AS A UNIT. THE FOLLOWING HELPFUL SUGGESTIONS ARE MADE.

STRINGER TYPE "A" RISER TYPE "E"

THIS STAIR CONSTRUCTION IS ONE OF THE MOST COMMONLY USED AND REQUIRES LITTLE COMMENT. SUBSTITUTION OF MOULDINGS AND HANDRAILS MAKES FOR SLIGHT VARIANTS.

STRINGER TYPE "B" RISER TYPE "F"

THIS TYPE OF CONSTRUCTION MAY BE CONSIDERED THE NEATER AND MORE SUBSTANTIAL. APPEARANCE MAY ALSO BE VARIED BY INTERCHANGE OF STRINGER AND PANEL MOULDS. INTERESTING SUGGESTIONS ON PAGE 11 OF OUR CATALOG 30.

STRINGER TYPE "C" RISER TYPE "G"

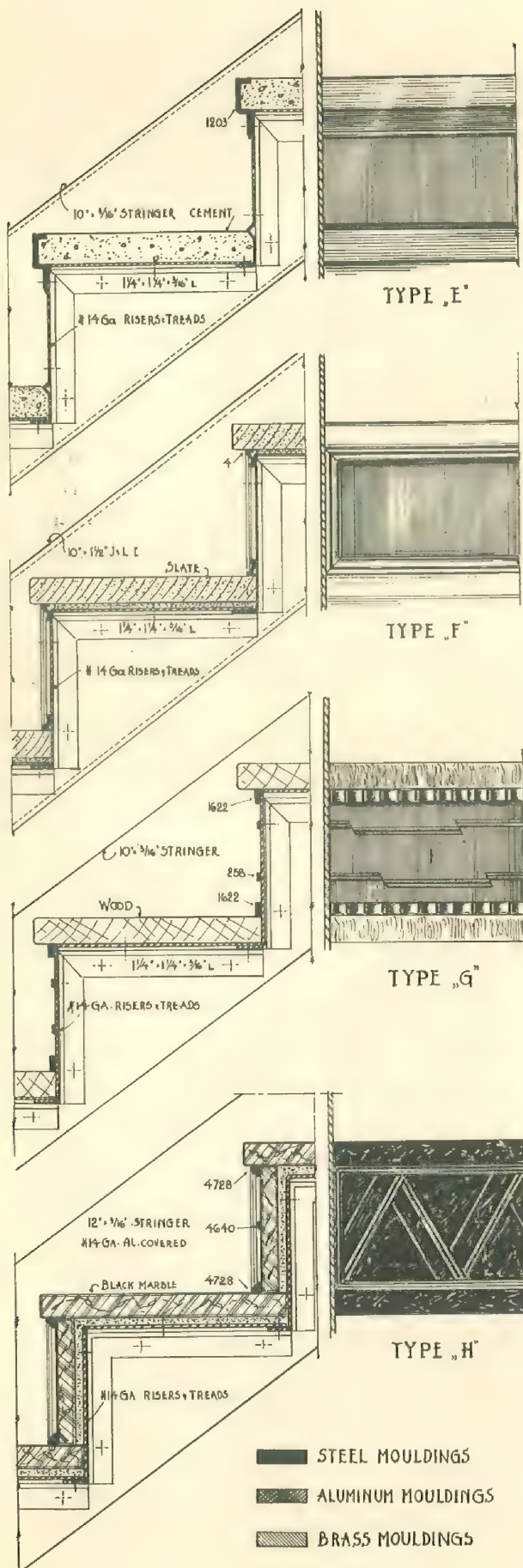
THE TREATMENT OF THIS STRINGER AND RISER IS UNUSUAL AND CLEARLY SHOWS WHAT EXCELLENT EFFECTS CAN BE HAD WITH THE UNLIMITED VARIETY OF OUR MOULDINGS. ITS DISTINCTLY MODERN FLAVOR SHOULD MAKE A STRONG APPEAL AT THIS TIME.

TO BRING OUT THE FULL BEAUTY OF DESIGN, A VARIETY OF COLORS WILL BE MOST HELPFUL. BLACK OR COLORED ENAMEL CONTRASTED WITH ALUMINUM PAINT AND DULL COLORS IS SUGGESTED.

STRINGER TYPE "D" RISER TYPE "H"

THIS STAIRS IS NOVEL IN ITS CONCEPTION. NOT ONLY IS THE USE OF ALUMINUM FOR DECORATIVE EFFECT INGENIOUS BUT ALSO THE COMBINATION OF ELEMENTS CREATES A STRIKINGLY INTERESTING AND HIGHLY MODERN EFFECT.

THE JUDICIOUS USE OF HIGH POLISH, SATIN FINISH AND THE GRAY OF SANDBLASTING OR DEPLATING WILL BRING OUT THE FULL BEAUTY OF THE DESIGN. THE STRINGER MAY BE SIMPLIFIED BY ELIMINATING THE ALUMINUM PLATE IN WHICH INSTANCE IT MAY BE CONTRASTED BY GLOSSY OR DULL COLORS AGAINST THE SPARKLE OF THE TRIM.



Scale 1 1/2" = 1' - 0"

J.G. Braun Company
Steel Mouldings Wrought Ornaments
Perforated Sheets

CHICAGO 609 SOUTH PAULINA STREET
 NEW YORK 557 WEST 35TH STREET
 SAN FRANCISCO 656 POTRERO AVENUE
 LOS ANGELES 1205 EAST 8TH STREET

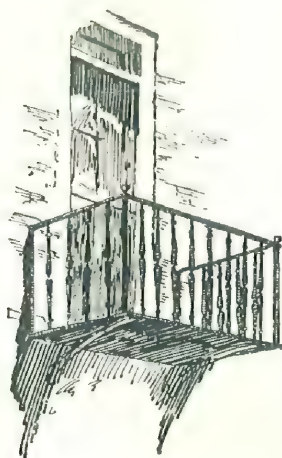
This Supplement supersedes Supplement No. 1 to Catalog No. 30. It not only contains all items previously shown but also several new features which should prove of interest.

Amongst these are GENUINE PUDDLED WROUGHT IRON and FORGED BALUSTER SPINDLES.

GENUINE WROUGHT IRON because of its excellent corrosion resistance and other qualities is undoubtedly a welcome addition to our lines. All standard sections, such as, Flats, Rounds, and Squares, and, in addition, Angles, Channels, and Tees can now readily be procured from stock.

Our FORGED BALUSTER SPINDLES are designed with utmost care and, because of their sectional feature, make possible a large variety of combinations, each one of outstanding beauty. The sectional assembly further enables us to make combinations of wrought spindles, polished brass centers and buttons for greater contrast and beauty. The forgings are unusually clean and neat.

The uses of these baluster spindles are too well known to be mentioned. But, because the individual parts shown on the following page can be obtained separately, all manner of application in ornamental iron design can be worked out.



Specification:

Balusters: No. 4233 Spindles.
 Posts: No. 62 Balusters &
 No. 4500 Finial.
 Top Rail: $\frac{3}{4}$ x $\frac{1}{2}$ " Flat,
 with No. 1161 Rail.



Specification:

Balusters: No. 4237 Spindles.
 Posts: No. 61 Balusters
 Twisted & No. 4527
 Finial.
 Top Rail: 1 x $\frac{1}{2}$ " Channel
 with Capping No. B2868.

Illustrations $\frac{1}{2}$ actual size

As may be seen from this and the next two following pages, our Spindles have been created sectionally. Parts are obtainable separately. Simply order by numbers indicated. If the entire Spindles are desired, order by numbers given on opposite pages and the complete set of parts will be furnished.

All parts are ready for assembly. Spindles and Studs have $\frac{5}{16}$ " U.S.S. thread. Centers and Buttons are drilled $\frac{5}{16}$ " for close slip fit. Baluster Collars are drilled $\frac{1}{2}$ " and $\frac{7}{16}$ ", respectively, for driving fit on to Studs.

All Baluster Collars can be used for open stringers. Nos. 4208 and 4226 are designed for use on closed stringers and have sufficient length to permit cutting to desired pitch.

The studs are 6" long and the assembled Spindles from $34\frac{1}{2}$ " to $36\frac{1}{4}$ ". They can, therefore, readily be cut to desired length.

Front page illustrations show the pleasing effects of Stoop and Balcony Rails incorporating Spindles. Equally interest-

ing results may be attained in Stair Rails, Window Grilles, Bank Screens, Scroll Brackets and Braces, etc. through their use. The individual parts are useful in innumerable designs; such as, for instance, Wickets, Door Knockers, Gates and Fences, Lamps, Lanterns and Lighting Fittings. Their application ceases with the versatility of the designer.

Our Spindles are designed with extreme care and their grace is appealing. Equal care was given in the process of manufacture. Forgings are clean and without unsightly burrs. Brass parts are highly polished and lacquered, thus making for a perfect product requiring practically no additional work but to screw together.

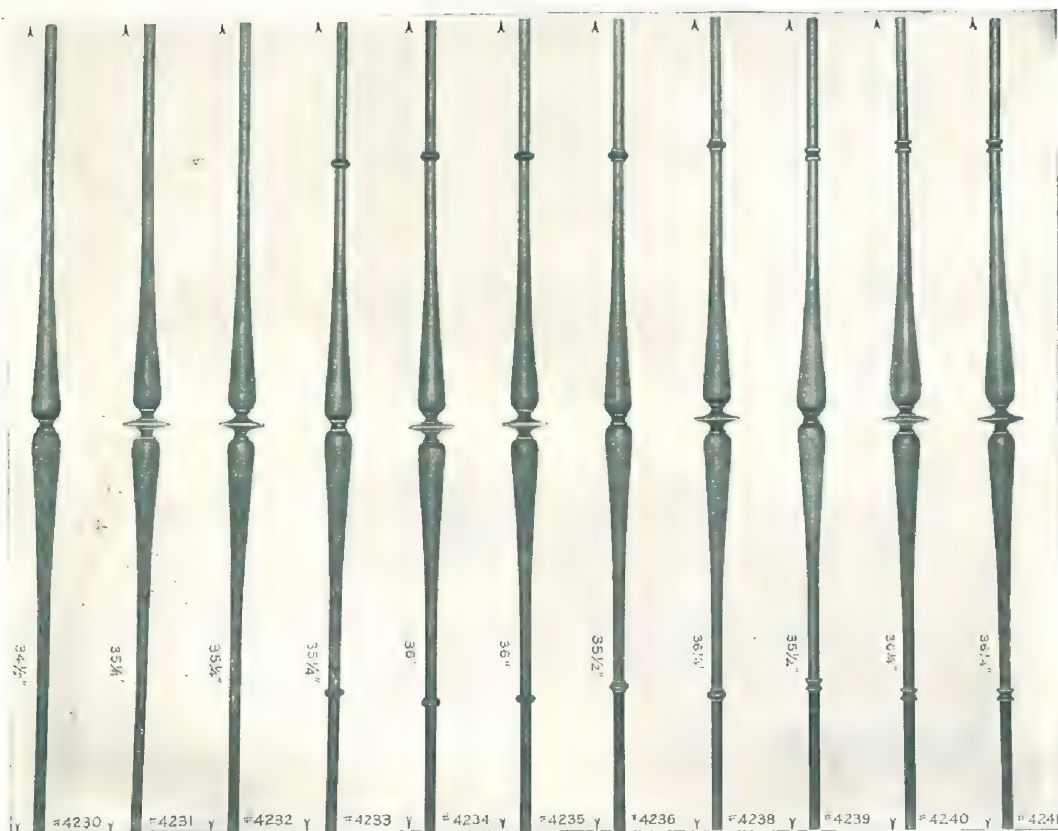
Since we have now made available spindles in either all forged or the attractive combination of polished brass and steel, a greater use for them is at once open. They may be applied in the natural iron or painted. They can be hammered and forged to give antique effects and will look particularly attractive if a Swedish Iron Finish is applied.

EASILY AND QUICKLY ASSEMBLED

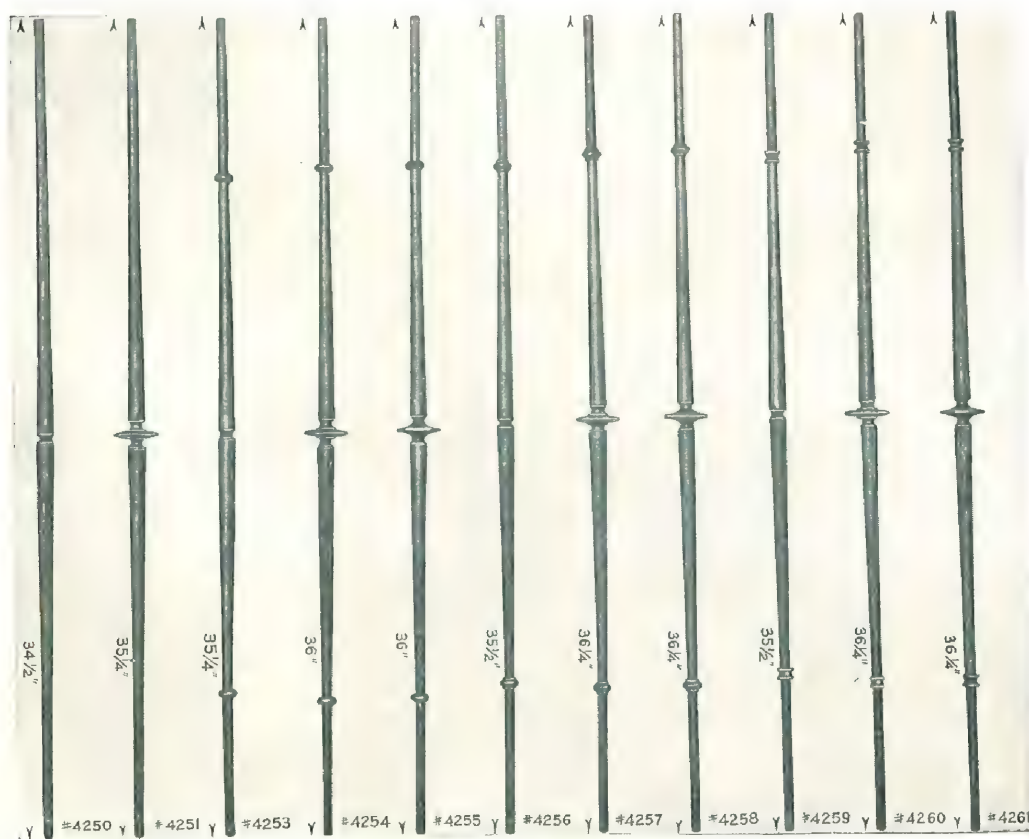
NO FILING

NO CUTTING OF THREADS

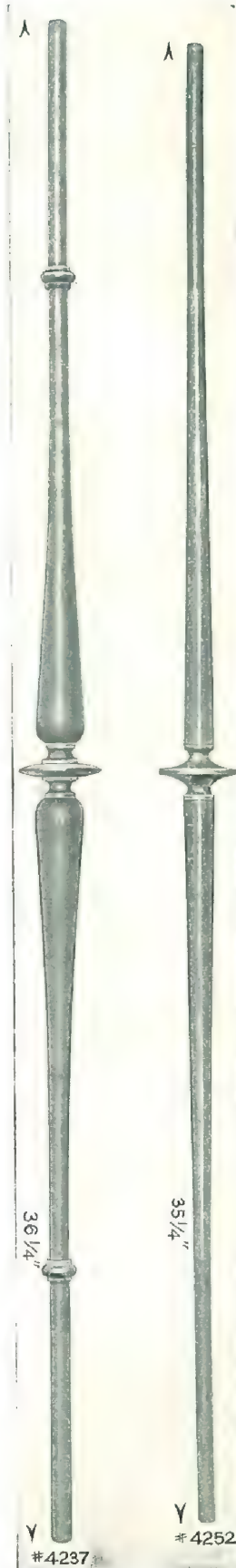
NO ADDITIONAL TIME CONSUMING LABOR



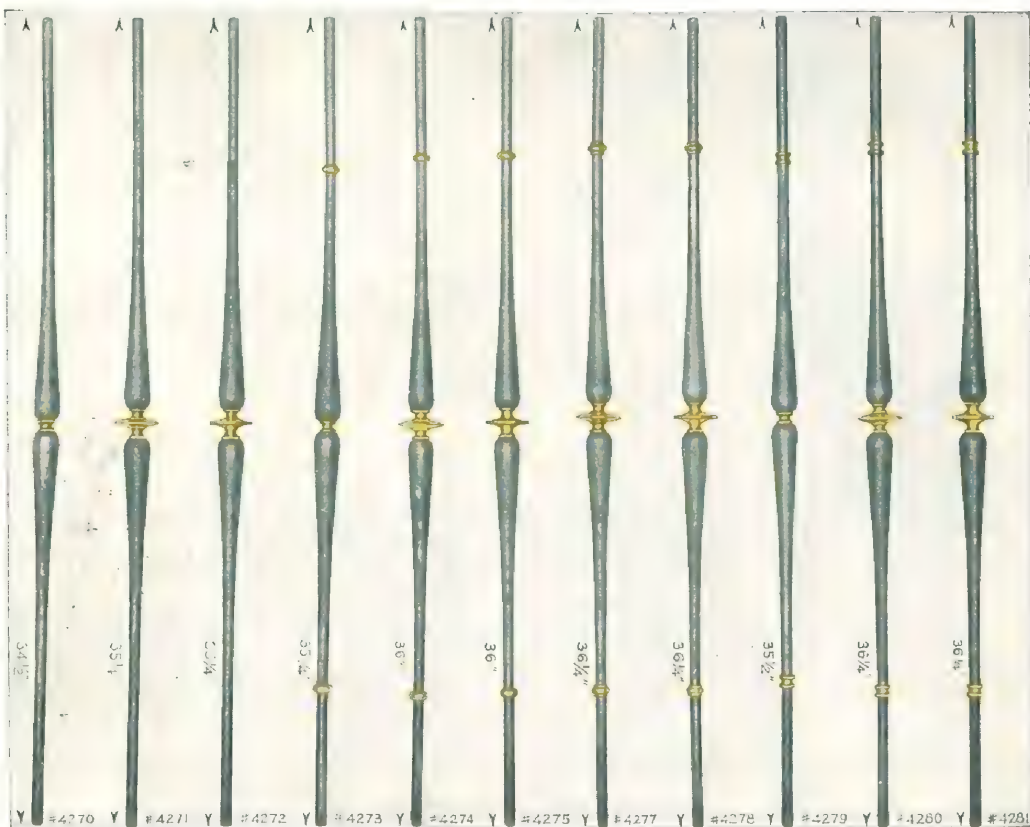
1/8 actual size Ends are 1/2" thick



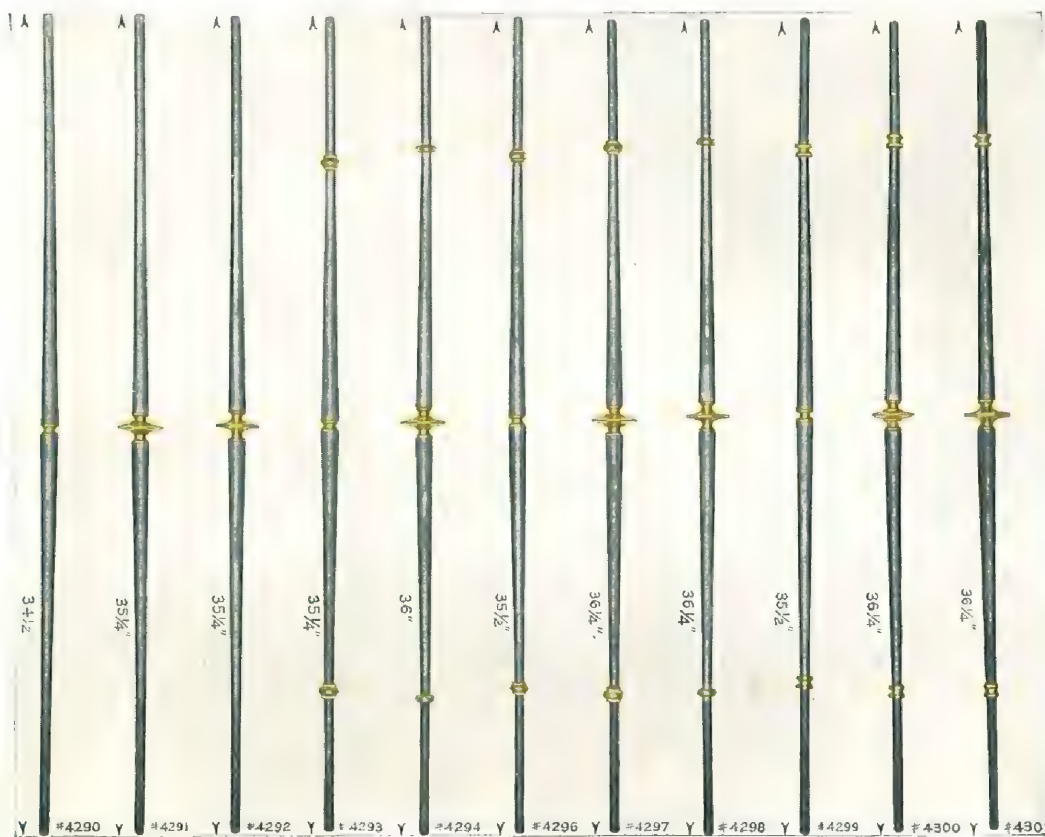
1/8 actual size Ends are 7/16" thick



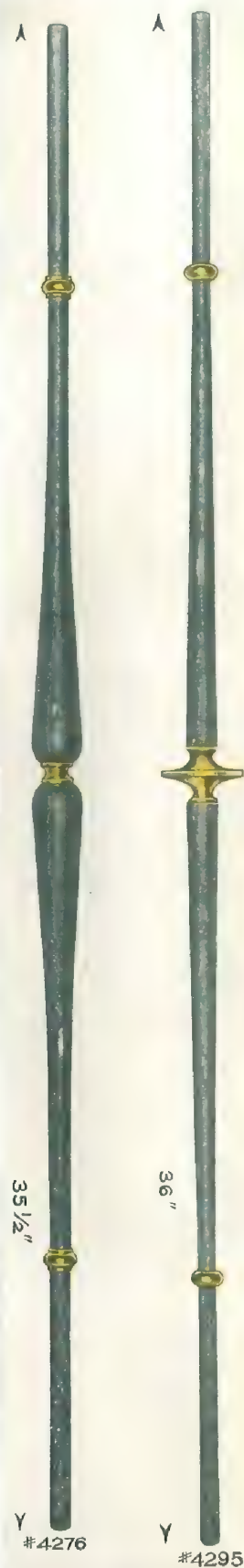
1/4 actual size



$\frac{1}{8}$ actual size Ends are $\frac{1}{2}$ " thick



$\frac{1}{8}$ actual size Ends are $\frac{7}{16}$ " thick



$\frac{1}{4}$ actual size

**HIGHLAND
WROUGHT IRON**

USE GENUINE PUDDLED WROUGHT IRON

if you wish to combat the destructive onslaught of the elements.

While heretofore it was difficult to procure this material, it is now readily available from stock in a large array of sizes and shapes.

Your job, even after many years, will be a credit to you if you

USE GENUINE PUDDLED WROUGHT IRON.

**HIGHLAND
WROUGHT IRON**

STOCK LIST

FLATS

$\frac{3}{16}$ " x $\frac{1}{2}$ "	$\frac{1}{4}$ " x $\frac{1}{2}$ "	$\frac{5}{16}$ " x $\frac{3}{8}$ "	$\frac{3}{8}$ " x $\frac{1}{2}$ "	$\frac{1}{2}$ " x $\frac{3}{8}$ "	$\frac{3}{8}$ " x $\frac{7}{8}$ "	$\frac{3}{4}$ " x $\frac{7}{8}$ "	1 " x $1\frac{1}{4}$ "
x $\frac{7}{8}$ "	x $\frac{7}{8}$ "	x $\frac{3}{4}$ "	x $\frac{7}{8}$ "	x $\frac{3}{4}$ "	x 1 "	x 1 "	x $1\frac{1}{2}$ "
x $\frac{3}{4}$ "	x $\frac{3}{4}$ "	x $\frac{7}{8}$ "	x $\frac{3}{4}$ "	x 1 "	x $1\frac{1}{4}$ "	x $1\frac{1}{8}$ "	
x 1 "	x 1 "	x 1 "	x 1 "	x $1\frac{1}{8}$ "	x $1\frac{3}{8}$ "	x $1\frac{1}{4}$ "	
x $1\frac{1}{4}$ "	x $1\frac{1}{4}$ "	x $1\frac{1}{4}$ "	x $1\frac{1}{4}$ "	x $1\frac{1}{4}$ "	x $1\frac{1}{2}$ "	x $1\frac{1}{2}$ "	
x $1\frac{3}{8}$ "	x $1\frac{3}{8}$ "	x $1\frac{1}{2}$ "	x $1\frac{3}{8}$ "	x $1\frac{3}{8}$ "	x 2 "		
x $1\frac{1}{2}$ "	x $1\frac{1}{2}$ "		x $1\frac{1}{2}$ "	x $1\frac{1}{2}$ "	x $2\frac{1}{2}$ "		
x 2 "	x 2 "		x 2 "				
	x $2\frac{1}{4}$ "						
	x $2\frac{1}{2}$ "						

ROUNDS

$\frac{3}{8}$ "
 $\frac{1}{2}$ "
 $\frac{5}{8}$ "
 $\frac{3}{4}$ "
1 "

SQUARES

$\frac{1}{4}$ "
 $\frac{3}{8}$ "
 $\frac{1}{2}$ "
 $\frac{3}{8}$ "
 $\frac{3}{4}$ "
 $\frac{7}{8}$ "
1 "
 $1\frac{1}{2}$ "

CHANNELS

$\frac{1}{2}$ " x $\frac{1}{4}$ " x $\frac{1}{8}$ "
 $\frac{5}{8}$ " x $\frac{1}{4}$ " x $\frac{1}{8}$ "
 $\frac{3}{4}$ " x $\frac{3}{8}$ " x $\frac{1}{8}$ "
 $\frac{7}{8}$ " x $\frac{1}{2}$ " x $\frac{1}{8}$ "
1 " x $\frac{1}{2}$ " x $\frac{1}{8}$ "
 $1\frac{1}{4}$ " x $\frac{1}{2}$ " x $\frac{1}{8}$ "
 $1\frac{1}{2}$ " x $\frac{1}{2}$ " x $\frac{1}{8}$ "

ANGLES

$\frac{1}{2}$ " x $\frac{1}{2}$ " x $\frac{1}{8}$ "
 $\frac{5}{8}$ " x $\frac{3}{8}$ " x $\frac{1}{8}$ "
 $\frac{3}{4}$ " x $\frac{3}{4}$ " x $\frac{1}{8}$ "
 $\frac{7}{8}$ " x $\frac{7}{8}$ " x $\frac{1}{8}$ "
1 " x $\frac{3}{8}$ " x $\frac{1}{8}$ "
1 " x 1 " x $\frac{1}{8}$ "
 $1\frac{1}{4}$ " x $1\frac{1}{4}$ " x $\frac{1}{8}$ "
 $1\frac{1}{2}$ " x $1\frac{1}{2}$ " x $\frac{1}{8}$ "

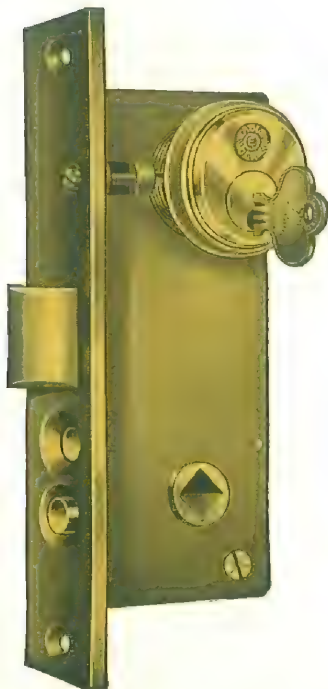
Carried in Stock at Chicago Warehouse.
Stock lengths are 16 feet.

TEES

1" x 1" x $\frac{1}{8}$ "

Additional sizes will be added to stock as the demand warrants.

Prices will be quoted upon request.



BRONZE VESTIBULE DOOR LOCKS

We offer these high quality locks made of Wrought Brass throughout and of the highest workmanship.

They feature reversibility for either right or left, inswung or outswung doors, and are now obtainable in the following types:

LATCH LOCK

with Night Latch Buttons in Face (as illustrated).

LATCH AND BOLT LOCK

with Night Latch Buttons in Face and Thumb Knob inside.

BOLT LOCK

with Thumb Knob inside.

They are carried in stock in

1-1/16" Backset for 2" x 2" Tubing.

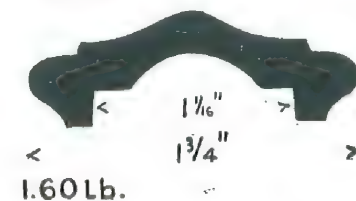
1-9/16" Backset for 3" x 2" Tubing.

Locks furnished with or without Cylinder.

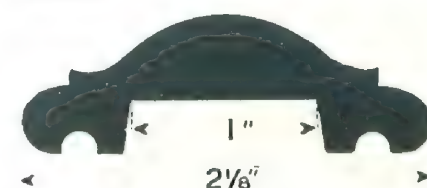
For Bronze Handles and Hinges consult page 67, Catalog 30.

STEEL HANDRAILS

#1248



#68



Refer to page 22 of Cat. 30.
Change weight to 2.46 lbs.

BRASS AND MALLEABLE CAST FINIALS

BRASS

Square Base

No. 4500 for 1"
No. 4501 for 1 1/4"
No. 4502 for 1 1/2"

Round Base

No. 4506 for 1"
No. 4507 for 1 1/4"
No. 4508 for 1 1/2"

MALL. CAST

Square Base

No. 4503 for 1"
No. 4504 for 1 1/4"
No. 4505 for 1 1/2"

Round Base

No. 4530 for 1"
No. 4531 for 1 1/4"
No. 4532 for 1 1/2"



BRASS

Square Base

No. 4510 for 1"
No. 4511 for 1 1/4"
No. 4512 for 1 1/2"
No. 4519*

Round Base

No. 4516 for 1"
No. 4517 for 1 1/4"
No. 4518 for 1 1/2"

MALL. CAST

Square Base

No. 4513 for 1"
No. 4514 for 1 1/4"
No. 4515 for 1 1/2"

Round Base

No. 4533 for 1"
No. 4534 for 1 1/4"
No. 4535 for 1 1/2"



BRASS

Square Base

No. 4520 for 1"
No. 4521 for 1 1/4"
No. 4522 for 1 1/2"

Round Base

No. 4526 for 1"
No. 4527 for 1 1/4"
No. 4528 for 1 1/2"

MALL. CAST

Square Base

No. 4523 for 1"
No. 4524 for 1 1/4"
No. 4525 for 1 1/2"

Round Base

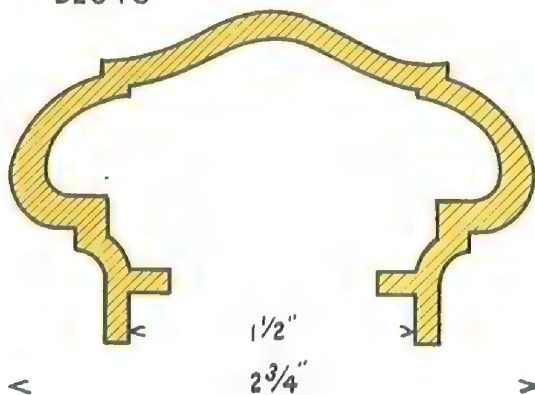
No. 4536 for 1"
No. 4537 for 1 1/4"
No. 4538 for 1 1/2"

Finials for 1" Square or Round 2 Times Size of Illustration.
Finials for 1 1/4" Square or Round 2 1/2 Times Size of Illustration.
Finials for 1 1/2" Square or Round 3 Times Size of Illustration.

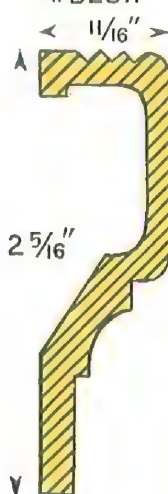
*Finial No. 4519 has a base of 1 1/4" and is 6" high overall.

ARCHITECTURAL BRONZE SECTIONS

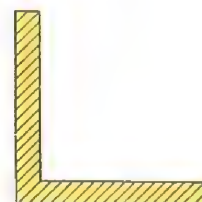
#B2846



#B2811



ANGLES



1/2 x 1/2 x 1/8"
3/8 x 3/8 x 1/8"
3/4 x 3/4 x 1/8"
1 x 1 x 1/8"
1 1/4 x 1 1/4 x 1/8"
1 1/2 x 1 1/2 x 1/8"

CHANNELS



3/4 x 1/2 x 1/8"
1 x 1/2 x 1/8"
1 1/4 x 3/8 x 1/8"
1 1/2 x 3/8 x 1/8"

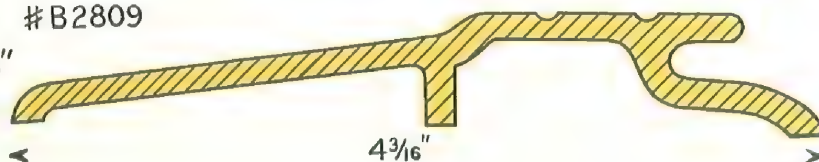
Weather Strip Threshold No. B2809 suited for outer doors.

A light Bronze Weather Strip section No. B2808 to be fastened to the bottom of door is available from stock.

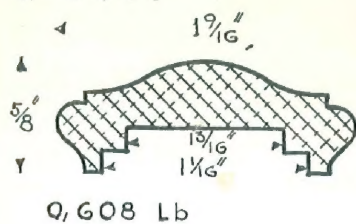
A #B2809

5/8"

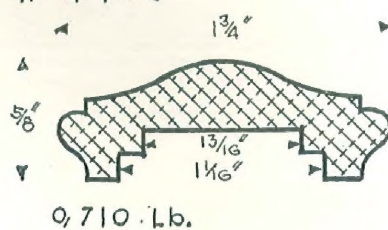
Y



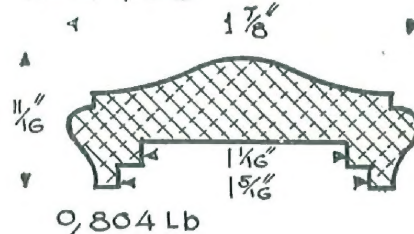
N° 4901



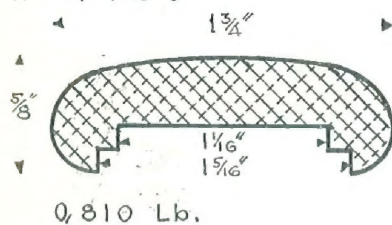
N° 4905



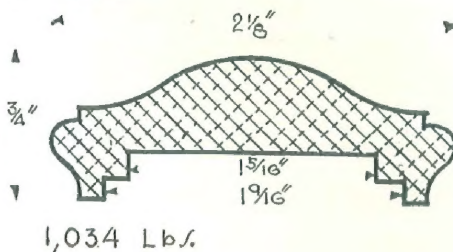
N° 4908



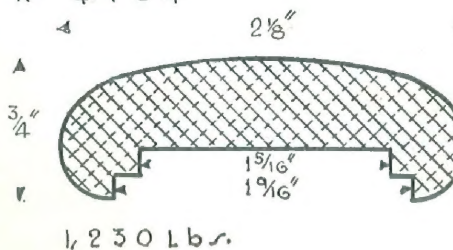
N° 4903



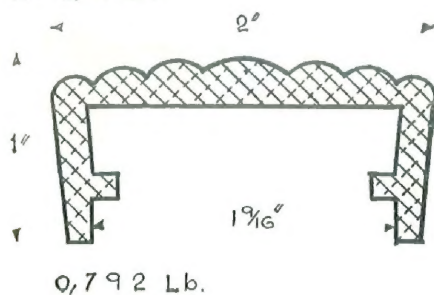
N° 4900



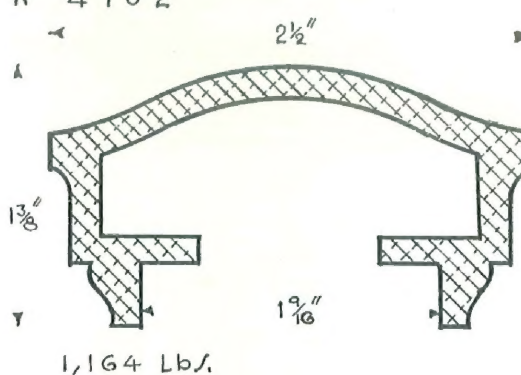
N° 4904



N° 4907



N° 4902



Aluminum, since its rather recent introduction in the Architectural Field, has found immediate approval by Architects. Its silvery appearance in either highly polished or satin finish blends well with the newer decorative scheme.

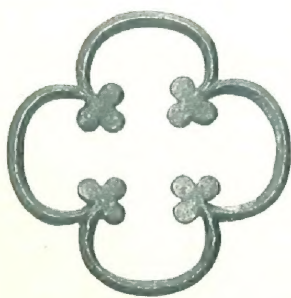
Aluminum Handrails are non-corrosive, easily worked and their cost is reasonable compared with non-ferrous metals.

A full line of Architectural Sections is shown in our Catalog 31 "Architectural Shapes of 'Alcoa' Aluminum."

QUATREFOILS

Refer to page 69 of Catalog 30.

Change measurements as follows.



No. 8319—4 1/8" dia.

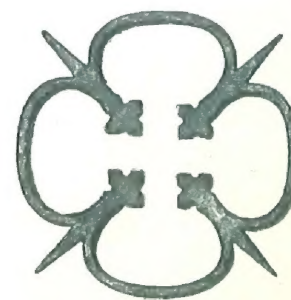
No. 8320—4 7/8" dia.

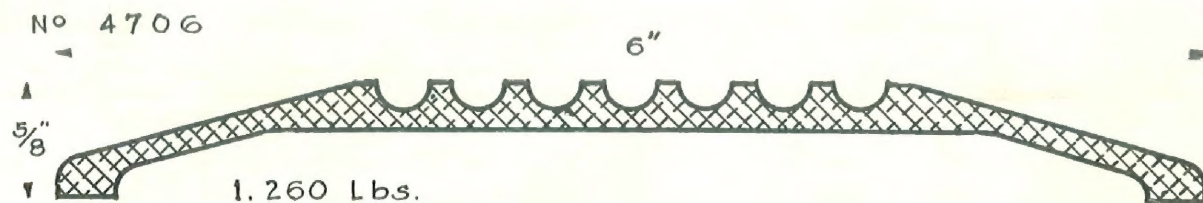
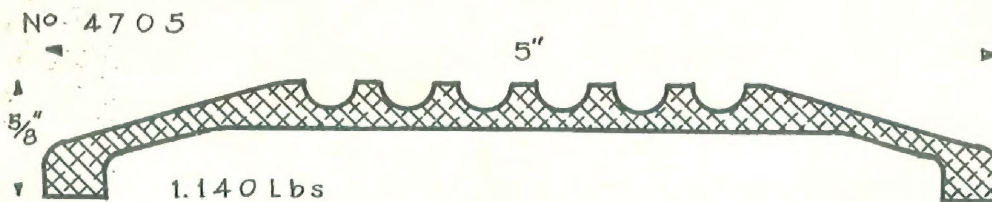
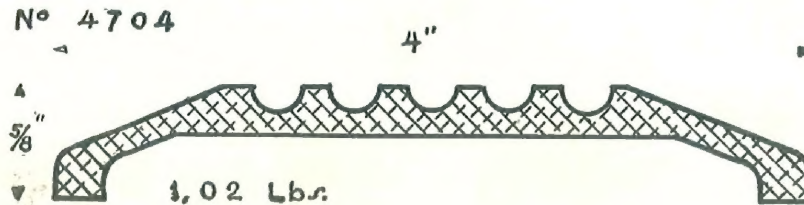
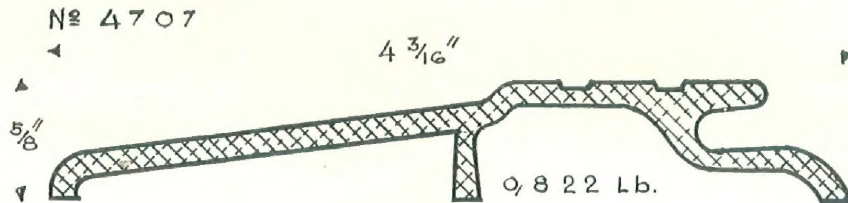
No. 8321—5 1/8" dia.

No. 8316—4 3/8" dia.

No. 8317—4 7/8" dia.

No. 8318—5 1/8" dia.





A full line of Architectural Sections is shown in our Catalog 31 "Architectural Shapes of 'Alcoa' Aluminum."

Weatherstrip Saddle No. 4707 can be furnished with light Weatherstripping No. 4708. Together they find use particularly with Storm Doors. The positive contact keeps out all draughts and rain.

Aluminum Door Sills are furnished in a specially heat treated, hard alloy that will withstand wear. Its performance compares well with that of steel and exceeds architectural bronze.

Their appearance is enhanced by polishing. Aluminum, being a light metal, about one-third the weight of Steel or Bronze, sells at favorable prices.

"ALUMETAL" ALUMINUM SOLDER



THE ALUMINUM SOLDER SUPREME—AN UNEXCELLED FILLER

—STRONG—DEPENDABLE—EASILY APPLIED—ECONOMICAL—

—NO BURNING OR WARPING OF ALUMINUM—

This solder has already proven to be far superior to anything heretofore on the market. It is applicable to all kinds of aluminum material, such as, Drawn, Rolled, and Extruded Bars, Sheets, Castings, and all other forms.

It is a splendid means for patching holes or flaws in castings, plugging screw holes for rethreading, filling cracks in patterns and castings. It can even

be used for repairing aluminum Kitchenware. The application is unlimited. The joints are strong enough to withstand a tensile strength of about 17,000 pounds per square inch and the application is quick, easy and inexpensive.

If you have not as yet tried ALUMETAL, request a generous trial sample with directions for use. Get acquainted with this excellent solder.



Made in Germany.